

Samsung GALAXY S IITM

A N D R O I D S M A R T P H O N E

User Manual

**Please read this manual before operating your
phone and keep it for future reference.**



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Table of Contents

Section 1: Getting Started4

- Understanding this User Manual 4
- Setting Up Your Phone 6
- Turning the Phone On and Off 8
- Your Google Account 8
- Displaying Your Phone Number 8
- Voicemail 9
- TTY Mode 9
- Task Manager 9
- Securing Your Phone 10
- Memory Card 11

Section 2: My Account12

- Create your Account and Pick Your Plan 12
- Activating Your Device 12
- Managing Your Account 13
- Top-Up Your Account 13
- Additional Information 13

Section 3: Understanding

Your Phone14

- Features 14
- Front View 15
- Side Views 16
- Back View 17
- Home Screen 17
- Navigation 19
- Notifications 20
- LED Indicator 21

- Status Bar 21
- Primary Shortcuts 23
- Widgets 24
- Folders 24
- Shortcuts 25
- Wallpaper 25
- Applications 26
- Entering Text 26

Section 4: Contacts and Accounts .28

- Accounts 28
- Contacts 29
- Speed Dials 37

Section 5: Calling38

- Making Calls 38
- Using Speakerphone 39
- Answering Calls 39
- Ending a Call 41
- Options After a Call Ends 41
- Logs 41
- Call Settings 42

Section 6: Messaging44

- Types of Messages 44
- Text and Multimedia Messages 44
- Emergency Alerts 47
- Email 47
- Gmail 48
- Voicemail 49
- Google Talk 50

Google+ Messenger	50
Section 7: Applications	51
Managing Applications	51
AllShare	53
Calculator	53
Calendar	53
Camera	54
Clock	57
Contacts	57
Downloads	58
Email	58
Gallery	58
Gmail	60
Google+	60
Internet	61
Kies air	62
Latitude	62
Local	62
Maps	63
Messenger	63
Messaging	63
Mobile ID	64
Music Player	65
My Account	68
My Files	68
Navigation	69
Phone	69
Play Books	69
Play Magazines	69
Play Movies & TV	70
Play Music	70

Play Store	70
Search	70
Settings	71
Talk	71
Video Player	71
Voicemail	72
WiFi Hotspot	72
YouTube	74
Section 8: Connections	75
Wi-Fi	75
Wi-Fi Direct	77
Bluetooth	78
Connecting to a Computer	80
VPN	81
WiFi Hotspot	82
Section 9: Settings	84
Accessing Settings	84
Wi-Fi	84
4G settings	85
Bluetooth	86
Data usage	87
More Wireless and network Settings ..	88
Call Settings	90
Sound	92
Display	95
Power saving mode	98
Storage	98
Battery	99
Applications	99
Accounts and sync	100
Location services	101

Security	102
Language and input	105
Back up and reset	110
Dock	111
Date and time	111
Accessibility	112
Motion	113
Developer options	114
System Updates	116
About phone	116

Section 10: Health and Safety

Information117

Exposure to Radio Frequency (RF) Signals	117
Specific Absorption Rate (SAR) Certification Information	121
FCC Part 15 Information to User	123
Commercial Mobile Alerting System (CMAS)	123
Smart Practices While Driving	124
Battery Use and Safety	125
Samsung Mobile Products and Recycling	126
UL Certified Travel Charger	128
Display / Touch-Screen	128
GPS & AGPS	128
Emergency Calls	129
Care and Maintenance	130
Responsible Listening	131
Operating Environment	133

FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices ..	134
Restricting Children's Access to Your Mobile Device	136
FCC Notice and Cautions	136
Other Important Safety Information ..	137
Section 11: Warranty Information 139	
Standard Limited Warranty	139
End User License Agreement for Software	143
Index152	

Section 1: Getting Started

Understanding this User Manual

The sections of this manual generally follow the features of your phone. A robust index for features begins on page 152.

Also included is important safety information beginning on page 117, that you should know before using your phone.

This manual gives navigation instructions according to the default display settings. If you select other settings, navigation steps may be different.

Unless otherwise specified, all instructions in this manual assume that you are starting from the Home screen. To get to the Home screen, you may need to unlock the phone. For more information, see “*Securing Your Phone*” on page 10.

Note: Instructions in this manual are based on default settings, and may vary from your phone, depending on the software version on your phone, and any changes to the phone’s Settings.

Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

All screen images in this manual are simulated. Actual displays may vary, depending on the software version of your phone and any changes to the phone’s Settings.

Special Text

In this manual, you'll find text that is set apart from the rest. These are intended to point out important information, share quick methods for activating features, to define terms, and more. The definitions for these methods are as follows:

- **Notes:** Presents alternative options for the current feature or menu.
- **Tips:** Provides quick or innovative methods, or useful shortcuts.
- **Important:** Points out important information about the current feature that could affect performance.
- **Warning:** Brings to your attention important information to prevent loss of data or functionality, or even prevent damage to your phone.

Text Conventions

This manual provides condensed information about how to use your phone. To make this possible, the following text conventions are used to represent frequently-used steps:

- Arrows are used to represent the sequence of selecting successive options in procedures. For example:

"From the Home screen, touch  **Applications** →  **Settings** → **Wi-Fi**."



Many settings use an On/Off switch. Touch the On/Off switch to turn a setting On or Off. This graphic is used to represent the On/Off switch.

Setting Up Your Phone

Install the battery, then charge it, to begin using your phone.

Battery

Your phone is powered by a rechargeable, standard Li-Ion battery. A Wall/USB Charger (Charging Head and USB cable) is included with the phone, for charging the battery.

The battery comes partially charged. You must fully charge the battery before using your phone for the first time. After the first charge, you can use the phone while charging.

Warning! Use only Samsung-approved charging devices and batteries. Samsung accessories are designed to maximize battery life. Using other accessories may invalidate your warranty and may cause damage.

Battery Indicator

The battery icon  in the Status Bar shows battery power level. When battery power is very low, the battery icon flashes and a tone plays. If you continue using the phone without charging, the phone will power off.

Tip: Task Manager provides helpful information about extending battery life. For more information, see “*Task Manager*” on page 9.

Installing the Battery

1. Remove the battery cover by pulling up on the slot provided.



Screen images simulated.
Color and appearance of device may vary.

2. Insert the battery into the back of the phone, making sure to align the gold contacts.



Screen images simulated.
Color and appearance of device may vary.

3. Replace the battery cover by aligning the cover and pressing it gently into place.

Removing the Battery

1. Turn the phone off. Removing the battery when the device is on may cause loss of stored numbers or messages.
2. Remove the battery cover by pulling up on the slot provided.
3. Lift the battery out of the device using the slot provided.
4. Replace the battery cover by aligning the cover and pressing gently until it clicks into place.

Charging the Battery

Keeping track of your battery's power level is important. If the power level becomes too low, the phone turns off automatically, and you can lose any unsaved information.

With the Samsung-approved Li-Ion battery, you can recharge the battery before it completely runs down.

Note: The battery comes partially charged, but you should fully charge the battery before using your phone. After the first charge, you can use the phone while charging.

- Connect the charger to the USB/Accessory port, then plug the Charger into an electrical outlet.



Screen images simulated.
Color and appearance of device may vary.

Turning the Phone On and Off

Turning the Phone On

- Press and hold the  **Power/Lock Key** until the phone starts up.

Turning the phone Off

1. Press and hold the  **Power/Lock Key** until the Device Options menu displays.
2. On the Device Options menu, touch **Power off**.

Your Google Account

Your new phone uses your Google account to fully utilize its Android features, including Gmail, Google Talk and the Play Store. When you turn on your phone for the first time, set up a connection with your existing Google account, or create a new Google account.

To create a Google account, or set up your Google account on your phone, use Accounts and sync settings (see “*Accounts and sync*” on page 100).

Displaying Your Phone Number

- From the Home screen, touch  **Apps**
→  **Settings** → **About phone** → **Status**.

Voicemail

All unanswered calls to your phone are sent to voicemail, even if your phone is turned off, so you'll want to set up your voicemail and personal greeting as soon as you activate your phone.

For more information, see “*Voicemail*” on page 49.

TTY Mode

Your phone is TTY-compatible, allowing you to connect a TTY device to the phone's headset jack. Before you can use your phone with a TTY device, you'll need to enable TTY Mode.

For more information about enabling TTY mode, see “*Call Settings*” on page 42.

Task Manager

Your phone can run apps simultaneously, with some apps running in the background. Use Task manager to see which apps are running on your phone, and to end running apps to extend battery life. You can also uninstall apps from your phone and check memory usage.

1. From any unlocked screen, touch and hold the  **Home Key**, then select **Task manager**.
2. Touch the **Active applications** tab to view apps running on your phone. Touch **Exit**, or **Exit all** to close apps.
3. Touch the **Downloaded** tab to view information about apps you've installed on your phone. Touch **Uninstall** to remove an app from your phone.
4. Touch the **RAM** tab to display the amount of RAM (Random Access Memory) in use. Touch **Clear memory** to clear processes to increase available RAM.
5. Touch the **Storage** tab for internal system storage and SD card memory statistics.
6. Touch the **Help** tab (you may have to swipe your finger over the tabs to display the Help tab) to view information about managing RAM, and tips for extending battery life.

Securing Your Phone

Use your phone's screen lock features to secure your phone.

To set a personal screen lock, and for other settings related to securing your phone, refer to



Apps →



Settings → **Security**.

Locking the phone

- By default, the phone locks automatically when the screen times out.
– or –

Press the **Power/Lock Key**.

Tip: When the phone is locked, the Emergency call feature is available on the lock screen, to allow you to make emergency calls even while the phone is locked.

Unlocking the phone

Unlock the phone using one of the default unlock screens, or use Screen lock options for increased security.

- Press the **Power/Lock Key**, then touch and drag your finger across the screen.

Tip: Special notification icons display for missed calls or new messages. Drag a missed call or message icon to view the message or call log.

Memory Card

Your phone supports optional microSD™ or microSDHC™ memory cards (not included), for storage of music, pictures, and other files.

Installing a Memory Card

1. Remove the battery cover by pulling up on the slot provided.
2. With the gold contacts facing down, slide the memory card into the slot, pushing gently until it locks into place.
3. Replace the battery cover by aligning the cover and pressing it gently into place.



Screen Images simulated.
Color and appearance of device may vary.

Removing a Memory Card

Important! To prevent damage to data stored on the memory card, unmount the card before removing it from the phone.

1. From the Home screen, touch  **Apps** →  **Settings** → **Storage** → **Unmount SD card**.
2. At the prompt, read the warning and select OK to continue. Wait for a notification in the Status bar and Notifications before removing the card.
3. Remove the battery cover by pulling up on the slot provided.
4. Gently press the memory card to release the lock, then carefully pull the card out.
5. Replace the battery cover by aligning the cover and pressing it gently into place.

Section 2: My Account

Before using your device, you must activate your service with Virgin Mobile. You will need your phone's serial number, printed on a sticker inside the battery compartment.

Create your Account and Pick Your Plan

1. From your computer, visit virginmobileusa.com and click **Activate**.
2. Choose an activation option and click **Next**, then enter your ZIP code and click **Next**.
3. When prompted, enter the **serial number (MEID)** printed on a sticker inside the battery compartment.
4. Follow the instructions to choose your plan and select a payment method.
5. Follow the **Activating Your Device** instructions after creating your account in order to start using your phone.

Activating Your Device

1. Turn on your new phone.
2. Follow the on-screen prompts to complete Hands Free Activation.
3. After the activation, make a phone call to confirm that your phone is active.

Note: Do not press the  **Power/Lock Key** while the phone is being activated. Pressing the **Power/Lock Key** cancels the activation process.

Managing Your Account

From your Phone

Just dial *86, or touch  **Apps** →  **My Account** from the Home screen to access your account, where you can:

- Check your minutes
- Add money (Top-Up)
- Change plans, and a lot more...

From Your Computer

Log in with your phone number and Account PIN at virginmobileusa.com, where you can do everything above, and a lot more.

Top-Up Your Account

Buy Top-Up cards at thousands of retailers, or make it even easier by registering your credit/debit card or PayPal account.

Auto Top-Up

Auto Top-Up is the easiest way to keep your service working. Set it to Top-Up your account once a month so you can keep emailing, IMing, surfing, and talking. No interruptions, no sweat.

Activate Auto Top-Up and adjust your settings anytime by logging in at virginmobileusa.com.

Follow the prompts to enter payment information and complete the process.

Manual Top-Ups

From Your Computer

If you don't want to set Auto Top-Up, you can still log in at virginmobileusa.com whenever you need a quick Top-Up.

From Your Phone

Dial *729 on your phone, or touch  **Apps** →  **My Account** from the Home screen.

Additional Information

For more information about your Virgin Mobile account, as well as other Virgin Mobile services, visit us at: virginmobileusa.com.

Or, call Virgin Mobile At Your Service:

1-888-322-1122.

Section 3: Understanding Your Phone

Features

- 4.52" Super AMOLED™ Plus Touchscreen
- Dual Mode 3G/4G Coverage
- Android® 4.0, Ice Cream Sandwich OS
- Google Play™ Store, plus pre-loaded Google apps
- Connections
 - Wi-Fi
 - Bluetooth
 - VPN
 - Wi-Fi Direct
 - USB
- Messaging Services
 - Text
 - Picture
 - Video
 - Voice
 - Email
 - Gmail
 - Chat
- 8 MP Camera/Camcorder with flash + Front camera
- Gallery, for viewing and managing pictures and videos
- Video Player
- Music Player
- Support for microSD™ and microSDHC™ Memory Cards

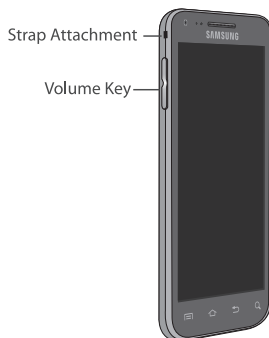
Front View



- **Front Camera:** Captures pictures or video.
- **Proximity and Light Sensors:** Detects the presence of objects, for use with motion settings, and to control the screen display, such as when you move the phone away from your ear during a call. Detects ambient light when Automatic brightness is enabled, and when using the Front camera.
- **Earpiece:** Plays call audio and other sounds.
- **LED Indicator:** Animates or glows to show alerts or phone status. For more information, see “*LED Indicator*” on page 21.

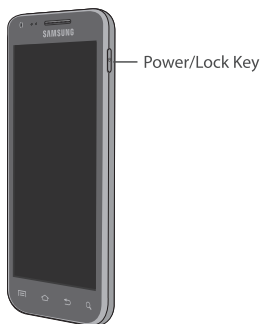
- **Menu Key:** Touch to display a context-sensitive menu of options for the current screen or feature. While using your phone, you may notice that the Menu Key dims, but it is always available at a touch to provide a context-sensitive menu for the current screen or app (you can set the touch key light duration, see page 97).
- **Home Key:** Touch to display the Home screen. Touch and hold to display recent applications or launch Task Manager. While using your phone, you may notice that the Home Key dims, but you can always use it to display the Home screen.
- **Back Key:** Touch to return to the previous screen or option. While using your phone, you may notice that the Back Key dims, but you can always use it to return to the previous item.
- **Search Key:** Touch to launch Google Search. While using your phone, you may notice that the Search Key dims, but you can always use it to return to the previous item.

Side Views



Screen images simulated.
Color and appearance of device may vary.

- **Strap Attachment:** Attach an optional strap (not included).
- **Volume Key:** From the Home screen, press to adjust master volume. During calls or media playback, press to adjust volume. Press to mute the ringtone of an incoming call.



Screen images simulated.
Color and appearance of device may vary.

- **Power/Lock Key:** Press and hold to turn the phone on or off, and to access a device options menu. Press to lock the phone, or wake the screen for unlocking.

Back View



Screen images simulated.
Color and appearance of device may vary.

- **3.5mm Headset Jack:** Plug in an optional headset or TTY equipment (not included).
- **Camera and Flash:** Use when taking photos or recording video.
- **Speaker:** Play ringtones, call audio when in Speakerphone mode, music and media playback, and other sounds.
- **Microphone:** Capture audio during recording, during phone calls, and video chat.

Home Screen

The Home screen is the starting point for using your phone.



Screen images simulated.
Color and appearance of device may vary.

- **Status Bar:** Icons show network status, battery power, and connection details.
- **Widgets:** Applications that run on the Home screen. These widgets are on the Home screen by default, plus you can add your own by touching and holding on the screen for options.
- **Shortcuts:** Shortcuts to favorite apps. These shortcuts are on the Home screen by default, plus you can add your own by touching and holding on the screen for options.
- **Primary Shortcuts:** Shortcuts to common apps.

Customizing the Home Screen

Customize the Home screen to your preferences:

- **Add Widgets, Shortcuts, or Folders:** Add and remove items from the Home screen. Touch and hold on the Home screen, then choose an option.
- **Edit a Home page:** Add and remove Home screen panels. From the Home screen, touch  **Menu** → **Edit**.
- **Display Settings:** Configure the display to your preferences. From the Home screen, touch  **Applications** →  **Settings** → **Display**.
- **Wallpaper:** Touch and hold on the Home screen for options for setting wallpaper for the Home and Lock screens.

Note: Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

All screen images in this manual are simulated. Actual displays may vary, depending on the software version of your phone and any changes to the phone's Settings.

Extended Home Screen

The Home screen consists of the Home panel, plus panels that extend beyond the display width to provide more space for adding shortcuts, widgets and folders.

Slide your finger horizontally across the screen to scroll to the left or right side panels. As you scroll, the indicator at the bottom of the display shows your current position.

Adding and removing Home screen panels

Your phone comes with 7 Home screen panels. You can customize the Home screen to include up to the seven default panels.

1. From the Home screen, touch  **Menu** → **Edit**.
2. Use these controls to configure panels:



Remove: Touch and hold on a panel, then drag it to **Remove**.



Add: Touch a previously-removed panel to add it, up to the default total of seven.



Home: Marks the main Home screen page. This panel will display when you touch the  **Home Key**.

Navigation

Navigate your phone's features using the command keys and the touch screen.

Warning! Please note that a touch screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. For more information, see “*Warranty Information*” on page 139.

Context-sensitive Menus

While using your phone, context-sensitive menus offer options for the feature or screen.

To access context-sensitive menus:

- Touch  **Menu**.
- Touch and hold on an item.

Finger Gestures

Touch

Touch items to select or launch them. For example:

- Touch the onscreen keyboard to enter characters or text.
- Touch an item to select it.
- Touch an app's icon to launch the application.

Touch and Hold

Activate items by a touch and hold gesture. For example:

- Touch and hold a widget on the Home screen to move it.
- Touch and hold on a field to display a pop-up menu of options.

Swipe

Swipe your finger across the screen. For example:

- Unlocking the screen
- Scrolling the Home screen or a menu
- Combine touch and hold with swipe to drag an item.

Sweep

Using two fingers, move your fingers together or apart. For example:

- Sweep in to zoom in on pictures or screens.
- Sweep out to zoom out on pictures or screens.

Notifications

Notifications shows details about connections, alerts and other items.

1. Touch and drag downward from the top of the screen to display notifications.
2. Touch an item to open it, or to launch the related app or feature.

Clearing Notifications

1. Sweep your finger downward from the top of the screen to display Notifications.
2. Touch a notification to clear it, or touch **Clear** to clear all notifications.

Settings

Use settings at the top of Notifications to control popular settings. Slide your finger right and left to see all the icons.

- **Wi-Fi:** Turn Wi-Fi On or Off. See “*Wi-Fi*” on page 75.
- **Bluetooth:** Turn Bluetooth On or Off. See “*Bluetooth*” on page 78.
- **GPS:** Turn GPS satellites service on or off. See “*GPS satellites*” on page 101.
- **Silent mode:** Enable or disable Silent mode, Vibrate mode, or sound settings. see “*Silent mode*” on page 93.
- **4G:** Enable or disable your phone’s access to 4G service. see “*4G settings*” on page 85.

Tip: You can access Notifications from the Lock screen, to easily access settings and notifications.

LED Indicator

The LED indicator, on the front of the phone above the screen (see “*Front View*” on page 15), animates or glows to show alerts or phone status.

- **Blue:**
 - Pulsates in multi-color blue while the phone is turning On or Off.
 - Blinks blue for a missed call, message or other notification.
- **Red:**
 - Glows red when the phone is connected to a charger and charging.
 - Blinks red when the phone is connected to a charger and there is a problem with charging.
 - Blinks red when battery power is low (phone not connected to charger).
- **Green:**
 - Glows green when the phone is connected to a charger and the battery is fully charged.

Tip: For information on enabling or disabling the LED indicator, see “*Pulse notification light*” on page 97.

Status Bar

The Status Bar shows network and battery status and other details, including these common icons.



Airplane Mode Active: All wireless communications are disabled. See “*Airplane mode*” on page 88.



USB Connected: The phone is connected to a computer using a USB cable. For information about transferring data between your phone and a computer, see “*Transferring Data*” on page 80.



Voice Call: A voice call is in progress.



Speakerphone: Speakerphone is enabled.



Missed Call: Displays when there is a missed call.



Mute: Voice or playback volume is muted.



Battery Level: Shown fully charged.



Battery Charging: Battery is charging.



Device Power Critical: Battery has very little power remaining. Charge immediately.



3G connection: Phone is active on a 3G system. The arrows are colored when data is being transferred.



Signal Strength: Current signal strength. The greater the number of bars, the stronger the signal.



Wi-Fi Active: Wi-Fi is active, and connected to a Wi-Fi network. The greater the number of rays, the stronger the signal. For more information about configuring Wi-Fi, see “*Wi-Fi*” on page 75.



Wi-Fi Action Needed: Action needed to connect to Wi-Fi network. For more information about configuring Wi-Fi, see “*Wi-Fi*” on page 75.



New Message: You have new message(s).



New Voicemail: You have new voicemail. A number indicates the number of new messages.



New Email Message: You have new email.



Download Successful: A file was downloaded successfully.



Update Available: An update is available for an installed app.



Update Successful: An update was installed for an app.



Alarm: An alarm is set.



Silent profile: All sounds except media and alarms are silenced, and Vibrate is not active. See “*Silent mode*” on page 93.



Vibrate: Vibrate profile is active. See “*Silent mode*” on page 93.



Music Playing: Music is playing, but the app is in the background. You can control playback from Notifications, or from Music player.



Music Paused: Music playback is paused. You can control playback from Notifications, or from Music player.



SD Card Ready: A memory card scan is underway, to prepare the card for use. For more information about using memory cards, see “*Memory Card*” on page 11.



SD Card Safe to Remove: A memory card was unmounted, and it is safe to uninstall it. For more information about using memory cards, see “*Memory Card*” on page 11.



SD Card Removed: A memory card was uninstalled. For more information about using memory cards, see *“Memory Card”* on page 11.



Bluetooth Active: Bluetooth is turned on. For more information, see *“Turning Bluetooth On or Off”* on page 78.



Bluetooth Paired: Your device is paired with another Bluetooth device. For more information, see *“Pairing with a Bluetooth Device”* on page 79.



TTY: TTY Mode is active.

Primary Shortcuts

Primary Shortcuts appear at the bottom of the display. You can edit the Primary Shortcuts, except for  **Applications**.

Adding or Removing Primary Shortcuts

- Touch and hold a shortcut, then drag it from the Primary Shortcuts to the Home screen, or from the Home screen to the Primary Shortcuts.

Widgets

Widgets are self-contained applications that you can place on the Home screen for quick access.

Adding widgets to the Home screen

1. Navigate to a Home screen panel, then touch and hold on the screen to display the **Add to home** menu.
2. Touch **Widgets**, then touch a widget and follow the prompts to configure the widget and place it on the Home screen.

Removing Widgets

- Touch and hold the widget until  **Remove** appears, then drag the widget to the icon.

Folders

Place folders on the Home screen to organize items.

Adding Folders

1. Navigate to a Home screen panel, then touch and hold on the screen to display the **Add to home** menu.
2. Touch **Folders**, then touch a folder to place it on the Home screen.

Removing Folders

- Touch and hold the folder until  **Remove** appears, then drag the folder to the icon.

Shortcuts

Use shortcuts for quick access to applications from the Home screen. Your phone comes with shortcuts already placed on the Home screen, and you can add your favorites.

Adding shortcuts to the Home screen

1. Navigate to a Home screen panel, then touch and hold on the screen to display the **Add to home** menu.
2. Touch **Shortcuts**.
3. Touch an application, then follow the prompts to configure the shortcut and add it to the Home screen.

Adding Shortcuts from Applications

1. Navigate to a Home screen panel.
2. Touch  **Applications**.
3. Touch and hold on an app until it appears on the Home screen.

Removing Shortcuts

- Touch and hold the shortcut until  **Remove** appears, then drag the shortcut to the icon.

Wallpaper

Choose a picture to display in the background of the Home screen. You can choose from pre-loaded wallpaper images, or select a picture you've taken with the Camera or downloaded.

1. Navigate to a Home screen panel, then touch and hold on the screen to display the **Add to home** menu.
2. Select **Wallpapers**, then choose a source:
 - **Gallery**: Choose a picture stored on your phone or on an optional installed memory card (not included).
 - **ID Wallpapers**: Choose a wallpaper from your downloaded ID Pack(s).
 - **Live wallpapers**: Choose from pre-loaded interactive moving wallpapers.
 - **Wallpaper gallery**: Choose from pre-loaded wallpaper images.
 - **Wallpapers**: Choose from pre-loaded wallpaper images.

Note: You can also set Wallpaper in Settings. For more information, see “Display” on page 95.

Applications

Applications holds all applications installed on your phone. Applications that you download and install are also added to Applications.

The Applications screen is like the Home screen, it consists of panels that extend beyond the display width to provide more space. Slide your finger horizontally across the screen to scroll to the left or right side panels. As you scroll, the indicator at the bottom of the display shows your current position.

For more information about applications, see *“Applications”* on page 51.

You can place shortcuts to apps on the Home screen, for quick access to the app. For more information, see *“Adding Shortcuts from Applications”* on page 25.

1. From the Home screen, touch



Applications.

2. Slide your finger left or right to scroll the Applications screens.
3. Touch an icon to launch the application.

Entering Text

Enter text using your phone's virtual QWERTY keyboard, or speak your entries.

Configuring Text Entry

Configure text entry options to your preferences.

- From the Home screen, touch



Applications →



Settings →

Language and input.

Using Samsung Keypad

Samsung keypad is a custom virtual QWERTY keyboard, featuring optional predictive text.

Enter characters by tapping the on-screen keys with your finger, or use speech recognition.

Enable XT9 predictive text, to have Samsung keypad match your key touches to common words and display them. Select a word from the display to insert it into your text.

Using Google Voice Typing

Use your voice to enter text using the Google Voice typing feature.

1. While entering text, touch .
2. At the **Listening** prompt, speak your text.
As you speak, the text is displayed in the text field.

Using Swype

Swype™ is a fast way to enter text. It lets you type a word by drawing through letters.

Put your finger on the first letter of the word, and draw a path from letter to letter, lifting your finger after the last letter. Swype recognizes the word and inserts it, and inserts spaces where necessary.

Section 4: Contacts and Accounts

Accounts

Your phone provides the ability to synchronize information, from a variety of accounts, including Facebook, LinkedIn, Twitter, Email, Google, and Microsoft Exchange. Depending on the account, you can choose to synchronize your calendar, contacts, and other types of content.

Contacts from your accounts appear in your phone's Contacts, and you can save new contacts to an account.

With synchronization, you can ensure that information on your phone is updated with any information that changes in your accounts.

Setting Up Your Accounts

Set up and manage your accounts with the Accounts and sync settings.

For information about setting up other, non-synchronized email accounts, see “*Setting Up Email Accounts*” on page 47.

Adding an account

1. From the Home screen, touch  **Applications** →  **Settings** → **Accounts and sync** → **Add account**.
2. Select an account provider, then follow the prompts to enter your credentials and sign in. The phone communicates with the provider's server to set up your account on the phone.

Managing accounts

1. From the Home screen, touch  **Applications** →  **Settings** → **Accounts and sync**.
2. Select an account, then touch a setting to enable or disable synchronization. When enabled, a check mark appears in the check box.

Synchronization

You can choose to have your phone automatically sync with your accounts, or manually synchronize each account when you want to check messages.

You may also choose to limit automatic or background synchronization to extend battery life, or to control when your phone uses data services.

1. From the Home screen, touch  **Applications** →  **Settings** → **Accounts and sync**.
2. At the top of the screen, touch  to control synchronization. Choose On to allow synchronization automatically, at any time, or choose Off. When set to Off, you can manually sync accounts with the Sync option available in the accounts.

Contacts

Use Contacts to store information for your friends, family and colleagues, to make contacting them easy.

To access Contacts:

- From the Home screen, touch  **Contacts**.

Contact tips:

- Swipe your finger left-to-right across a contact to make a call to the contact.
- Swipe right-to-left across a contact to create a message addressed to the contact.

Adding a New Contact

1. From the Home screen, touch  **Contacts** →  **Create contact**.
2. At the prompt, select a save option for the contact (options depend on accounts set up).
3. Touch contact fields to enter information. Touch  to choose a label, and touch  to add new field:
 - **Name:** Enter a name for the contact. Touch  to select a picture.
 - **Phone:** Enter a phone number.
 - **Email:** Enter an Email address.
 - **Address:** Enter a physical or mailing address.
 - **Events:** Enter a special date.
 - **Groups:** Assign the contact to a group.
 - **Ringtone:** Choose a ringtone for the contact.
 - **Add another field:** Add more fields, including Phonetic Name, Organization, IM, Notes, Nickname, Website, or Relationship.
4. When you finish entering information, touch  to save the contact.

Creating Contacts from Logs

Save a phone number from a recent call to create a new contact, or update an existing contact.

For more information, see “*Adding or Updating Contacts Using Logs*” on page 42.

Saving a number from the Phone Keypad

Enter a phone number with the Phone Keypad, then save it.

1. From the Home screen, touch  **Phone**.
2. Touch the digits of the telephone number on the Keypad.
3. Touch  **Menu** → **Add to Contacts**, then select **Create contact** or **Update existing**.
4. Continue entering contact information.

Tip: While entering a phone number, you can add waits or pauses. Enter the number up to the pause or wait, then touch  **Menu** to select **Add 2-sec pause** or **Add wait**.

Updating Contacts

Make changes to update an existing contact.

1. From the Home screen, touch



Contacts.

2. Touch a contact to view its information, then touch **Edit.**

– or –

Touch and hold a contact, then select **Edit** from the menu.

3. Continue entering contact information. For more information, see *“Adding a New Contact”* on page 30.

Saving a Phone Number

1. From the Home screen, touch **Phone.**
2. Touch the digits of the telephone number on the Keypad.
3. Touch **Add to contacts** → **Update existing.**
4. Continue entering contact information.

Updating Contacts from Logs

Save a phone number from a recent call to create a new contact, or update an existing contact.

For more information, see *“Adding or Updating Contacts Using Logs”* on page 42.

Choosing Contacts to Display

1. From the Home screen, touch



Contacts.

2. Touch **Menu** → **Contacts to display:**

- Choose **All contacts** to show all contacts.
- Choose an account to only display contacts from that account.
- Choose **Customized list** to select contact types for each account, or the phone.

Contacts Settings

1. From the Home screen, touch  **Contacts**.
2. Touch  **Menu** → **Settings**:
 - Select **Only contacts with phones** to show contacts with at least one stored phone number.
 - Touch **List by** to sort contacts by first or last name.
 - Touch **Display contacts by** to list contacts by first or last name.
 - Touch **Send contact** to set your preference for transferring contacts by Bluetooth. For more information about sending contacts, see “*Sharing Namecards (vCards)*” on page 34.

Other Contacts Options

1. From the Home screen, touch  **Contacts**.
2. Touch a contact to display it, then touch  **Menu**:
 - **History**: View calls and messages to and from this contact.
 - **Delete**: Erase the contact record.
 - **Join contact/Separate contact**: Manage multiple contacts as one. For information, see “*Joining Contacts*” on page 33.
 - **Mark as default**: Set a default phone number or other field (such as IM or email address). Defaults are the contact method used when creating a message or calling a contact. You can also set a default by touching and holding on a contact field.
 - **Share namecard via**: Send the namecard. For information, see “*Sharing Namecards (vCards)*” on page 34.
 - **Print namecard**: Print the contact’s info via Bluetooth to a compatible Samsung Bluetooth-enabled printer (not included).

Joining Contacts

Your phone can synchronize with multiple accounts, including Google, Corporate, and other providers, plus social networking sites like Facebook. When you synchronize contacts from these accounts with your phone, you may have multiple contacts for one person.

Joining contact records allows you to see all the contact's numbers and addresses together.

Joining also helps you keep your contacts updated, because any changes to information in the respective accounts is automatically updated the next time you synchronize with the account.

Joining contacts

1. From the Home screen, touch  **Contacts**.
2. Touch and hold on a contact, then select **Join contact**.
3. Select a contact to join to the selected contact.

Separating contacts

1. From the Home screen, touch  **Contacts**.
2. Touch a contact to display its information.
3. Under the **Connection** heading, phone icons show how many contacts are joined to this one. Touch the **Connection** field to display joined contacts.
4. Touch  next to a contact to remove it from the displayed contact.

Exporting and Importing Contacts

You can export your contact list to and from USB storage (your phone's memory), or an installed memory card. Contacts are exported and imported as a special VCF file, and contacts are sent as vCards.

1. From the Home screen, touch  **Contacts**.
2. Touch  **Menu** → **Import/Export**.
3. Select an option, then follow the prompts to complete the operation:
 - **Import from USB storage:** Copy contacts that are saved in phone memory.
 - **Export to USB storage:** Copy contacts to phone memory.
 - **Import from SD card:** Copy contacts from an optional installed memory card (not included).
 - **Export to SD card:** Copy contacts to an optional installed memory card (not included).
 - **Share namecard via:** Share contacts as vCards.

For more information, see *“Sharing Namecards (vCards)”* on page 34.

Sharing Namecards (vCards)

You can send a contact namecard as a vCard via Bluetooth to other Bluetooth devices, or as an attachment via Gmail or Email.

Important! Not all Bluetooth devices will accept contacts, and not all devices support transfers of multiple contacts. Check the target device's documentation.

1. From the Home screen, touch  **Contacts**.
2. Touch  **Menu** → **Import/Export** → **Send namecard via**.
3. Touch contacts to mark them for sending, or touch **Select all** to mark all contacts. A check mark appears in the check box for marked contacts.
4. Touch . At the prompt, choose a sending method, then follow the prompts to send the namecard:
 - **Bluetooth:** For more information about sending via Bluetooth, see *“Bluetooth”* on page 78.
 - **Email:** For more information about sending email, see *“Email”* on page 47.
 - **Gmail:** For more information about sending Gmail, see *“Sending Gmail”* on page 49.

- **Messaging:** For more information about sending messages, see “*Sending Messages*” on page 44.
- **Wi-Fi Direct:** For more information about using Wi-Fi Direct, see “*Wi-Fi Direct*” on page 77.

Favorites

Mark contacts with a ★ star to identify them as Favorites.

Favorites display on the Favorites tab in the Phone and Contacts for fast dialing or messaging, and are indicated by the ★.

Creating Favorites

1. From the Home screen, touch  **Contacts**.
2. Touch and hold on a contact, then select **Add to favorites** from the pop-up menu.
— or —
Touch a contact to display it, then touch ★ at the top right of the screen.

Groups

Assign contacts to Groups to make searching for contacts faster, or to quickly call or send messages to group members. Your phone comes with pre-loaded groups you can use to add your contacts, or you can create new groups.

Accessing Groups

- From the Home screen, touch  **Contacts** →  **Groups**.

Creating a New Group

1. From the Home screen, touch  **Contacts** →  **Groups**.
2. Touch  **Menu** → **New**, then enter information:
 - Touch **Group name** to enter a Group Name.
 - Touch **Group ringtone** to choose a ringtone for calls from members of this group.
 - Touch **Add member** to select members from Contacts.
3. Touch  to save the new group.

Editing a Group

1. From the Home screen, touch  **Contacts** →  **Groups**.
2. Touch a Group to display it.
3. Touch  **Menu** → **Edit**, then update information for the group. For more information, see “*Creating a New Group*” on page 35.

Deleting a Group

1. From the Home screen, touch  **Contacts** →  **Groups**.
2. Touch  **Menu** → **Delete**.
3. Touch a group to mark it for deletion, or touch **Select all** to mark all groups. When selected, a check mark appears in the check box. You cannot delete pre-loaded groups.
4. Touch , then choose **Group only** or **Group and group members**.

Adding Contacts to a Group

1. From the Home screen, touch  **Contacts** →  **Groups**.
2. Touch a **Group** to display it, then touch  **Add member**.
3. Touch contact(s) to mark them for addition, or touch **Select all** to mark all contacts. When selected, a check mark appears in the check box.
4. Touch  to add the selected contact(s).

Removing Contacts from a Group

1. From the Home screen, touch  **Contacts** →  **Groups**.
2. Touch a **Group** to display it.
3. Touch  **Menu** → **Remove member**.
4. Touch contact(s) to mark them for removal, or touch **Select all** to mark all contacts. When selected, a check mark appears in the check box.
5. Touch  to remove the selected contact(s).

Sending a Message to Group Members

Create a new text or email message, addressed to the group's members.

1. From the Home screen, touch  **Contacts** →  **Groups**.
2. Touch a **Group** to display it.
3. Touch  **Menu** → **Send message** or **Send email**.
4. Touch contacts to mark them as recipients for the new message, then touch .
5. The new message opens, with the marked contacts as recipients. Continue creating the message, as desired. For more information, see *"Sending Messages"* on page 44, or see *"Sending Email"* on page 47.

Speed Dials

Speed dials are numbers you assign to contacts, to allow you to quickly call the contact.

For more information about calling using speed dials, see *"Making Calls using Speed Dials"* on page 38.

Note: Speed dial 1 is reserved for Voicemail by default, and cannot be reassigned.

Assigning Speed Dials

1. From the Home screen, touch  **Contacts**.
2. Touch  **Menu** → **Speed dial setting**.
3. Touch a speed dial, then touch a contact to assign the contact to the speed dial.

Removing or Reassigning a Speed Dial

1. From the Home screen, touch  **Contacts**.
2. Touch  **Menu** → **Speed dial setting**.
3. Touch  **Menu**, then choose an option:
 - **Change order:** Touch an assigned speed dial, then touch a new speed dial location to change the order.
 - **Delete:** Touch a speed dial to remove it.

Section 5: Calling

Making Calls

Your phone offers multiple ways to make calls:

- Use the touch screen **Phone Keypad** to enter the phone number or speed dial.
- Call a contact from **Contacts**.
- Call a contact from **Favorites**.
- Return a call, or call a recent caller, from **Logs**.

Making Calls Using the Phone Keypad

1. From the Home screen, touch  **Phone**.
2. Touch the digits of the telephone number on the **Keypad**, then touch .

Making Calls using Speed Dials

Speed dials are numbers you assign to contacts, to allow you to quickly call the contact.

For more information about setting speed dials, see “*Speed Dials*” on page 37.

1. From the Home screen, touch  **Phone**.
2. On the **Keypad**, touch and hold the speed dial number until the number dials.

Making Calls from Contacts

A contact is an entry that you have created to store the name, numbers, and other information for people or groups of interest.

For more information, see “*Contacts*” on page 29.

1. From the Home screen, touch  **Contacts**.
2. Find the contact and touch it to open the Contact entry.
3. Swipe your finger from left to right across the contact to dial their default number.
— or —

Touch a contact, then touch  to dial the number.

Making Calls using Favorites

Favorites are contacts that you designate as favorites by starring them. For more information about creating favorites, see “*Favorites*” on page 35.

1. From the Home screen, touch  **Phone**.
2. Touch  **Favorites** to display favorites.
3. Find the contact and touch it to open the Contact entry.
4. Swipe your finger from left to right across the contact to dial their default number.
— or —

Touch a contact, then touch  to dial the number.

Making Calls from Logs

Return a call, or call a number from a recent call stored in Logs.

For more information, see “*Logs*” on page 41.

Using Speakerphone

To use your phone hands-free, or to share a call with others, touch **Speaker** to turn Speakerphone On or Off.

Caution! Due to increased volume, do not place the phone near your ear when Speakerphone is On.

Answering Calls

The phone alerts you to incoming calls. Depending on the phone’s status and the type of call, you may see a combination of:

- Playing the ringtone and/or vibrating.
- Illuminating the backlight.
- Displaying an incoming call notification. If the call is from a number stored in Contacts, the name displays. You may also see the caller’s phone number, if available based on their preferences.

You can answer incoming calls when the phone is locked or unlocked.

- Touch and drag the  **Answer** icon toward the middle of the screen.

Tip: To silence the ringtone for an incoming call, press the **Volume Key**.

Sending Calls to Voicemail

Rejecting a call sends the caller directly to voicemail, and stops the incoming call ringer. You can also choose to reject the call and send a text message to the caller.

- Touch and drag  toward the middle of the screen.
- Touch and drag **Reject call with message** toward the middle of the screen, then select an existing message, or **Create new message**.

Note: For more information about creating reject messages, see “*Set reject messages*” on page 42.

Answering Call-Waiting Calls

When you receive a call while on a call:

- Touch and drag the  **Answer** icon to answer the incoming call. The original call is placed on hold, and remains on hold until you end the second call, or swap calls back to the original call.
- Touch **Swap** to place a call on hold and return to the original call.

Muting an Incoming Call Ringtone

When an incoming call's ringtone plays, you can quickly mute the ringtone by pressing the **Volume Key**.

Options During a Call

During a call, you can use these options:

- **Swap:** If you have two calls active, such as after answering a waiting call, switch between the two calls (only available when two calls are active).
- **Keypad:** Display a keypad to enter numbers.
- **End call:** End the phone call.
- **Speaker:** Enable or disable Speakerphone.
- **Mute:** Control whether your side of the call is heard.
- **Bluetooth:** Switch the call's audio to an optional Bluetooth headset (not included). The phone and headset must already be paired.
- Touch  **Menu** → **Contacts** to launch Contacts.

Ending a Call

- While in a call, touch .

Options After a Call Ends

After a call, you can use these options:

- **Create Contact:** Save the phone number as a new contact record.
- **Update existing:** Save the phone number to update a contact.
- **Call:** Redial the call.
- **Message:** Create a new message, addressed to the phone number.

Logs

When you place, answer, or miss a call, a record of the call is saved in Logs.

Making Calls using Logs

1. From the Home screen, touch  **Phone**
→  **Logs**.

2. Swipe your finger from left to right across the call to redial.

– or –

Touch a call, then touch  to dial the number.

Sending Messages using Logs

1. From the Home screen, touch  **Phone**
→  **Logs**.

2. Swipe your finger from right to left across the call.

– or –

Touch a call, then touch  to create a message to the number.

Adding or Updating Contacts Using Logs

1. From the Home screen, touch  **Phone** →  **Logs**.
2. Touch and hold on a call, then select **Add to Contacts** from the pop-up menu.
3. Choose **Create contact** or **Update existing**.
4. Continue entering contact information. For more information, see “Contacts” on page 29.

Managing Logs

Deleting records

1. From the Home screen, touch  **Phone** →  **Logs**.
2. While viewing the calls, touch  **Menu** → **Delete**.
3. Touch call records to mark them for deletion, or touch **Select all**. A check indicates marked records.
4. Touch **Delete** to delete marked records.

Filtering records

1. From the Home screen, touch  **Phone** →  **Logs**.
2. While viewing the calls, touch  **Menu**, → **View by**, then select a filter type.

Call Settings

Configure settings for calling with your phone.

Set reject messages

Create and manage text messages to send to callers when rejecting incoming calls. Messages you create here are available from the incoming call screen when you use the Reject with message option.

1. From the Home screen, touch  **Phone**.
2. Touch  **Menu** → **Settings** → **Set reject messages**.
3. Manage messages:
 - To create new messages, touch **Create**, then follow the prompts.
 - To modify an existing message, touch the message, then edit the text.
 - To delete a message, drag it to the trashcan.

Turn on proximity sensor

When enabled, the screen turns off during calls, and the phone uses the proximity sensor on the front of the phone to detect when you lift the the phone to your ear, to turn the screen back on.

1. From the Home screen, touch  **Phone**.
2. Touch  **Menu** → **Settings** → **Turn on proximity sensor**.

North American dialing

When enabled, the phone replaces + with the international dialing code, except when +1 is dialed.

1. From the Home screen, touch  **Phone**.
2. Touch  **Menu** → **Settings** → **North American dialing**.

International dialing

When enabled, the phone automatically adds the International dialing code before numbers you dial.

Note: International dialing is only available when North American dialing is disabled.

1. From the Home screen, touch  **Phone**.
2. Touch  **Menu** → **Settings** → **International dialing**.
3. Enter the International dialing code, then touch **OK**.

DDTM

When enabled, voice calls are automatically sent to voicemail during an active data connection.

1. From the Home screen, touch  **Phone**.
2. Touch  **Menu** → **Settings** → **DDTM**.

TTY Mode

TTY mode allows you to attach TTY equipment to your phone.

1. From the Home screen, touch  **Phone**.
2. Touch  **Menu** → **Settings** → **TTY mode**.
3. Select a mode, or select TTY mode off.

Alerts on call

When enabled, alerts for alarms and message notifications will go off during calls.

1. From the Home screen, touch  **Phone**.
2. Touch  **Menu** → **Settings** → **Alerts on call**.

Voicemail settings

Set options for voicemail.

1. From the Home screen, touch  **Phone**.
2. Touch  **Menu** → **Settings** → **Voicemail settings**.

Section 6: Messaging

Types of Messages

Your phone supports these types of messages:

- **Text messages:** Send and receive simple messages containing text to other mobile phones or email addresses (also known as SMS).
- **Multimedia messages:** Send and receive text messages with pictures, video, and/or sound to other mobile phones or email addresses (also known as MMS).
- **Email:** Send and receive email from your email accounts, including Corporate mail.
- **Gmail:** Send and receive Gmail from your Google account.
- **Voicemail:** Retrieve voice messages from callers.
- **Google Talk:** Chat with other Google Talk users.
- **Google+ Messenger:** Chat with other Google+ Messenger users.

Text and Multimedia Messages

Your phone can send and receive text and multimedia messages.

Sending Messages

1. From the Home screen, touch  **Messaging** → .
2. Touch the **To:** field and enter a name, phone number or email address, or touch  to add recipients from Contacts. As you enter text, matching contacts appear. Touch a contact to add it to the list.
3. Touch the message field, then enter the message. While entering the message, use these options (available options depend on attachment):
 - Touch  **Attach** to add media or content to the message (converts the message to MMS).
 - Touch  **Menu** for options:
 - **Insert smiley:** Add an emoticon to the message.
 - **Call:** Make a call to the recipient (available if there is only one recipient).
 - **Add text:** Select text from Location, Contacts, Task or Calendar to insert into the message.

- **Add to Contacts:** If the recipients are not saved in Contacts, save the info as a new contact, or update an existing contact.
 - **Preview:** If the message has attachment(s), view the message and attachments before sending.
 - **Add slide/Remove slide:** Add or remove a slide. Slides hold pictures or other media, and adding a slide converts the message to MMS.
 - **Add subject:** Add a subject field (converts the message to MMS.)
 - **Duration (5 sec):** If the message has attachments, set the length of time each slide displays.
 - **Layout (bottom):** If the message has attachment(s), choose whether the message text appears above (Text on top) the attachment(s), or after (Text on bottom).
4. Touch **Send** to send the message.

Managing Messages

Messages you send and receive to the same contact, number or address are grouped together as a “conversation”, so you can see all the messages you exchanged with a recipient in one place.

1. From the Home screen, touch  **Messaging**.
2. Message threads display by contact, number, or address. While viewing message threads, you have these options:
 - Touch and hold a thread to choose options, including:
 - **View contact / Add to contacts:** View the contact record, or save the sender/recipient's information.
 - **Delete thread:** Erase the entire message thread.
 - Touch  **Menu** for options, including:
 - **Search:** Enter characters to search messages and recipients.
 - **Settings:** Configure Messaging settings.
 - **Delete threads:** Touch message threads to mark them for erasure, or touch **Select all** to mark all message threads.

Message Settings

Configure settings for messages.

1. From the Home screen, touch



Messaging.

2. Touch  **Menu → Settings** for options:

- **Message font size:** Set a size for message text.
- **Split view:** When enabled, messages display with the message conversation on the left and message text on the right, when the phone is in landscape mode.
- **Delete old messages:** When enabled, old messages are deleted automatically when the maximum number of messages is reached.
- **Text message limit:** Choose the maximum number of messages to keep, per conversation.
- **Multimedia message limit:** Choose the maximum number of messages to keep, per conversation.
- **Emergency Alerts:** This device is designed to receive Wireless Emergency Alerts from the Commercial Mobile Alert Service (CMAS), including Presidential Alerts, Imminent Alerts (Severe or Extreme), AMBER Alerts (missing persons), and Emergency Alert Test Messages.
 - **Emergency Alerts:** Choose whether your phone will receive or stop Emergency Alerts.
 - **Presidential Alerts:** (not configurable, you cannot choose not to receive Presidential Alerts).

- **Extreme Alerts:** Enable or disable Extreme Alerts.

- **Severe Alerts:** Enable or disable Severe Alerts.

- **Amber Alerts:** Enable or disable Amber Alerts.

- **Emergency Alerts Test Messages:** Enable or disable Test Alerts.

- **Emergency notification preview:** Listen to an example of a Emergency Alert tone (and vibration, if enabled). The Emergency Alert tone plays at the same volume as your call ringtone.

- **Alert reminder:** Choose whether, and at what interval, your phone plays a sound to notify you of an Emergency Alert after the Emergency Alert tone has stopped.

- **Vibrate:** Set vibration for Emergency Alerts.

- **Font Size:** Choose the size for message text.

- **Auto-retrieve:** When enabled, your phone automatically downloads the contents of multimedia messages when you open them.

- **Notifications:** When enabled, message notifications display in the Status bar.

- **Select ringtone:** Choose a ringtone for message notifications.

- **Vibrate:** When enabled, the phone vibrates for new message notifications.

Emergency Alerts

This device is designed to receive Wireless Emergency Alerts from the Commercial Mobile Alert Service (CMAS). Emergency Alerts are geographically-targeted, and alert customers of imminent threats to their safety within their area. There is no charge for receiving an Emergency Alert.

There are three types of Emergency Alerts:

- Presidential
- Imminent (Severe or Extreme)
- AMBER Alerts (missing person alert)

Customers may choose not to receive Imminent Alerts and AMBER Alerts. Presidential Alerts can not be disabled. To disable Imminent Threat Alerts (Extreme and Severe) and AMBER Alerts, follow these instructions:

1. From the Home screen, touch  **Messaging**.
2. Touch  **Menu**, then touch **Settings → Emergency Alerts**.
3. All alerts are enabled by default (checkmark showing). To disable alerts, touch an alert to remove the checkmark. You can also choose to receive Emergency Alert Test Messages, used when testing the system.

Email

Send and receive email from your phone.

Setting Up Email Accounts

1. From the Home screen, touch  **Apps →**  **Email**.
2. The first time you set up an email account, enter your email address and password, then follow the prompts.
– or –

For subsequent accounts, touch  **Menu → Account Settings →** , then enter your email address and password and follow the prompts.

Sending Email

1. From the Home screen, touch  **Apps →**  **Email**.
2. If you have multiple accounts set up, choose an account from the menu at the top of the screen.
3. Touch , then touch fields to enter recipients and the email text.
4. Message options depend on the account. While composing, use these options:
 - Touch  **Menu** for options.
 - Touch  to add media or content to the message.
5. Touch  to send the message.

Email Settings

Use settings to configure handling of your email.

Note: Available settings depend on the email provider.

1. From the Home screen, select  **Apps** →  **Email**.
2. Touch  **Menu** → **Account settings** → **General preferences** for options:
 - **Display after deleting message:** Choose the screen to display after you delete a message.
 - **Message preview line:** Choose the number of lines of email text to display in the preview screen.
 - **Email header:** Choose how emails are titled in the preview screen.
 - **Split view mode:** Choose whether the email display is split into panes.
3. Touch an account to configure specific settings. Available options depend on the account.

Gmail

Send and receive emails via Gmail, Google's web-based email.

Setting Up Gmail

The first time you launch Gmail, your phone will prompt you to set up your Google account, if you haven't already set it up. If you set up your Google account on your phone, Gmail is set up automatically

1. From the Home screen, select  **Apps** →  **Gmail**.
2. Follow the prompts to sign in, or create a new account.
3. The phone communicates with the Google server to set up your account and synchronize your email.

Note: You can use more than one Google account on your phone. To add another account, use the  **Menu** → **Accounts** option.

Sending Gmail

1. From the Home screen, touch  **Apps** →  **Gmail**.
2. Touch  **Compose**, then touch fields to enter recipients and a message. Touch  **Menu** for options.
3. Touch  **Send** to send the message.

Syncing Your Gmail Account

Syncing refreshes your phone with the account's servers. When you set up an email account, you can choose whether the account syncs in the background, or manually.

- From the Home screen, select  **Apps** →  **Gmail** →  **Sync**.

Gmail Settings

Use settings to configure your Gmail preferences.

1. From the Home screen, select  **Apps** →  **Gmail**.
2. Touch  **Menu** → **Settings** for options.

Sending Gmail

1. From the Home screen, select  **Apps** →  **Gmail**.
2. Touch  **Compose**, then touch fields to compose the message. While composing, touch  **Menu** for options.
3. To send the message, touch  **Send**.

Voicemail

Setting Up Voicemail

All unanswered calls go to your voicemail, even if your phone is turned off. You should set up your voicemail and personal greeting as soon as your phone is activated.

1. From the Home screen, touch  **Phone**, then touch and hold  .
— or —

From the Home screen, select  **Applications** →  **Voicemail**.

2. Follow the system prompts to:
 - Create a passcode.
 - Record your name announcement.
 - Record a greeting.

Note: Virgin Mobile strongly recommends that you create a password when setting up your voicemail to protect against unauthorized access. Without a password, anyone who has access to your device can access your voicemail messages.

Retrieving Voicemail Messages

Review your messages directly from your wireless phone or from any other touch-tone phone.

From your phone

- From the Home screen, touch  **Phone**, then touch and hold .
– or –

From the Home screen, select 
Applications →  **Voicemail**

Important! You are charged for airtime minutes when you access voicemail from your wireless phone.

From another phone

1. Dial your wireless phone number.
2. Press * when voicemail answers, then enter your password.

Google Talk

Chat with other Google Talk users.

Note: Talk requires that you have a Google account set up on your phone. For more information, see “*Setting Up Your Accounts*” on page 28. If you set up your Google account, you are automatically logged in.

- From the Home screen, touch  **Apps** →  **Talk**.

Google+ Messenger

Google+ Messenger lets you chat and coordinate with any of your friends, all at the same time.

For more information, visit: www.google.com/+

- From the Home screen, touch  **Apps** →  **Messenger**.

Section 7: Applications

Managing Applications

Your phone comes pre-loaded with popular apps, and you can download and install apps from the Google Play™ Store, Samsung Apps, or from other sources.

The Apps screens display all applications installed on your phone, including the apps you download and install.

You can place shortcuts to apps on the Home screen, for quick access to the application.

Preloaded Apps

Google apps

Your device comes preloaded with popular Google apps, such as:

- **Maps, Latitude and Local:** Find and share location-based information.
- **Google+:** Send messages and share with your friends. Set up Circles of friends, visit the Stream for updates from your circles, use Messenger, or use Instant Upload to automatically upload photos and videos from your phone to your private album on Google+.
- **Google Talk:** Chat with other Google Talk users.
- **Google Play™:** Access your favorite media, and find new favorites, with Play Books, Play Movies & TV, Play Magazines, and Play Music.

Samsung Apps

Your device comes preloaded with popular Samsung apps, such as:

- **Social Hub:** Talk to who you want, when you want, and how you want. Review past conversations and all types of messages (push e-mail, text, IM and SNS), see what friends are talking about, and let networks know your latest news, all from one place without having to access individual applications. Supports major messaging and social networking portals.

Downloading and Installing Apps

Find new apps to download and install on your device.

-  **Google Play™ Store:** Find all your favorite books, movies, apps, and games, all in one place. You'll need to have a Google account set up on your phone to download a new application.

Uninstalling Apps

You can uninstall apps you download and install. Pre-loaded apps cannot be uninstalled.

1. From the Home screen, touch  **Applications**.
2. Touch  **Menu** → **Edit**.
3. Apps that can be uninstalled show  on their icon. Touch , then follow the prompts to uninstall the app. Pre-loaded apps cannot be uninstalled.

Customizing the Apps Screens

Choosing a view

By default, app icons appear in Grid view. You can change the view to list view.

1. From the Home screen, touch  **Applications**.
2. Touch  **Menu**, then touch **View type**.
3. Choose an option:
 - **Customizable Grid**: The default view, which allows you to touch and hold on apps to move them from screen to screen.
 - **Alphabetical grid**: Icons are arranged in a grid, in A-Z order.
 - **Alphabetical list**: Icons display in a list, sorted from A-Z.

Apps screen options

1. From the Home screen, touch  **Applications**.
2. Touch  **Menu** for options:
 - **Edit**: Touch and hold an app icon for options:
 - Drag it to a new location.
 - Drag it to **Add folder** to place the icon in a folder.
 - Drag it to **Add page** to place the icon on a new page.
 - **View type**: Configure the apps screen.
 - **Share app**: Select apps you've downloaded (not available for pre-loaded apps) to share via Bluetooth, Email, Gmail, Google+, Messaging, or Wi-Fi Direct.

AllShare

Use AllShare to share multimedia content from your device via Wi-Fi with DLNA (Digital Living Network Alliance) certified devices. With AllShare, you can:

- Play multimedia content from your device on another player, such as a Wi-Fi-capable TV or other playback device.
- Play multimedia content from another source, such as a wireless media server, on your device.
- Play multimedia content from another source, such as a wireless media server, on another device. Your device retrieves content from the source and delivers it to another device via Wi-Fi, and acts as a remote to control playback.

Note: AllShare uses your device's Wi-Fi services. For information about Wi-Fi, see see “Wi-Fi” on page 75.

- From the Home screen, touch  **Applications** →  **AllShare**.

Calculator

Use your phone's Calculator to perform mathematical calculations.

- From the Home screen, touch  **Applications** →  **Calculator**.

Calendar

Record events and appointments to manage your schedule.

1. From the Home screen, touch  **Applications** →  **Calendar**.
2. Select a view, from **Month**, **Week**, **Day**, or **List**.
3. Touch  **Menu** for options:
 - **Create event:** Add a new calendar event.
 - **Go to:** Display a specific date.
 - **Today:** Show today's events.
 - **Search:** Search for calendar events.
 - **Delete:** Delete an event.
 - **Sync:** Refresh Calendar with events from your accounts.
 - **Settings:** Customize the calendar.

Sending Events

Send events as vCalendar files to other Bluetooth devices, as message attachments, or via Wi-Fi Direct.

1. From the Home screen, touch  **Applications** →  **Calendar**.
2. Touch an event to display its details.
3. Touch  **Menu**, then touch **Share via**, then follow the prompts to select a sharing method and share the event.

Camera

Use the Camera to take pictures and record video.

Important! Do not take photos of people without their permission.

Do not take photos in places where cameras are not allowed.

Do not take photos in places where you may interfere with another person's privacy.

Taking pictures

1. From the Home screen, touch

 **Applications** →  **Camera**.



Options

Screen images simulated.
Color and appearance of device may vary.

2. Using the display as a viewfinder, compose your picture by aiming the lens at the subject. You can rotate the phone to any position, and the screen controls rotate to make taking pictures easy.

3. The focus bracket indicates the default focus location, or:

- Touch the screen to focus on the area you touched (the focus bracket turns green).
- “Pinch” the screen, or press the Volume Key, to zoom in or out.
- Configure picture options, by touching .

4. To take the picture, touch **Capture**.

Picture Options

1. From the Home screen, touch

 **Applications** →  **Camera**.

2. Use these options to configure the camera:

-  **Self portrait:** Switch between the back camera and the front camera, for self-portraits.
-  **Flash:** Choose Off, On, or Auto flash.
-  **Shooting mode:** Choose an automatic shooting mode. Some modes are not available for Self-portraits.

— **Single shot:** Take a single photo.

— **Smile shot:** Touch the Camera button to focus on the subject's face. If a smile is detected, the picture is taken automatically.

— **Beauty shot:** Automatically adjust settings for the best facial shots.

— **Panorama:** Touch Capture to take a picture, then follow on-screen prompts to move the device to take the next 7 shots automatically.

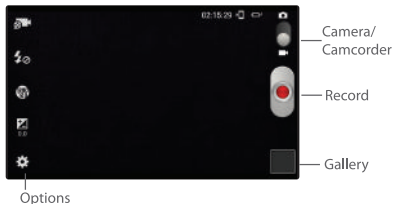
- **Action:** Capture fast-moving subjects.
- **Cartoon:** Apply a cartoon effect to pictures.
-  **Brightness:** Choose a level to match conditions.
-  **Settings**
 - **Edit shortcuts:** Choose shortcuts to appear on the toolbar. Touch and drag shortcuts between the toolbar and the list.
 - **Self-portrait:** When On, the Camera takes pictures with the front Camera.
 - **Flash:** Choose the default flash mode.
 - **Shooting mode:** Choose the default mode for taking pictures.
 - **Scene mode:** Choose a mode to match the kind of pictures you're taking.
 - **Exposure value:** Set the default brightness level.
 - **Focus mode:** Set the default focus mode.
 - **Timer:** Set a delay to wait between touching the Camera button and taking a picture.
 - **Effects:** Apply an effect to pictures.
 - **Resolution:** Choose a size for the image.
 - **White balance:** Choose a setting for the light source.
 - **ISO:** Choose a setting for imaging sensitivity.
 - **Metering:** Select a method for measuring light.
- **Outdoor visibility:** Turn On for improved screen visibility outdoors.
- **Anti-shake:** Turn On to minimize effects of camera movement.
- **Auto contrast:** Turn On to have the Camera automatically adjust settings for conditions.
- **Blink detection:** When On, the Camera detects eye blinks in your subjects and adjusts to avoid capturing blinks.
- **Guidelines:** Enable or disable an on-screen grid to aid in photo composition.
- **Image quality:** Choose a quality setting for photos.
- **GPS Tag:** Turn On to add GPS location information to photo details.
- **Storage:** Choose the default save location for pictures, if an optional memory card (not included) is installed.
- **Reset:** Set all Camera settings to the defaults.

Recording Videos

Important! Do not take videos of people without their permission.
Do not take videos in places where cameras are not allowed.
Do not take videos in places where you may interfere with another person's privacy.

1. From the Home screen, touch

 **Applications** →  **Camera** → **Camera/Camcorder**.



2. Using the display as a viewfinder, compose your shot by aiming the lens at the subject. Rotate the phone to any position; the controls rotate to make recording easy.
3. As you compose a shot, you can configure options. For more information, see “*Video Options*” on page 56.
4. To start recording, touch **Record**. To stop recording, touch **Record** again.

Video Options

Configure the camcorder.

1. From the Home screen, touch

 **Applications** →  **Camera** → **Camera/Camcorder**.

2. Use these options to configure the camera:

-  **Recording mode:** Choose a mode, from:
 - **Long video:** Record a video of any length.
 - **Video mail:** Restrict the length of the video so it can be sent as a message attachment.
 - **Self recording:** Record video with the front camera.
-  **Flash:** Choose Off or On.
-  **Resolution:** Add an effect to pictures.
-  **Brightness:** Choose a level to match conditions.
-  **Settings:**
 - **Edit shortcuts:** Choose shortcuts to appear on the toolbar. Touch and drag shortcuts between the toolbar and the list.
 - **Flash:** Choose the default flash mode.
 - **Recording mode:** Choose the recording mode.
 - **Exposure value:** Set the default brightness.
 - **Timer:** Set a delay to wait between touching the Camera button and taking a picture.
 - **Effects:** Apply an effect to pictures.
 - **Resolution:** Choose a size for the image.

- **White balance:** Choose a setting for the light source.
- **Outdoor visibility:** Turn On for improved screen visibility outdoors.
- **Video quality:** Choose a quality setting.
- **Guidelines:** Enable or disable an on-screen grid to aid in photo composition.
- **Storage:** Choose the default save location for videos, if an optional memory card (not included) is installed.
- **Reset:** Set all settings to the defaults.

Clock

The Clock application includes these features:

- **Alarm:** Create alarms to go off once, or to repeat.
- **World clock:** Display the time and date in any time zone.
- **Stopwatch:** Record lap times.
- **Timer:** Measure elapsed time.
- **Desk clock:** Display the date and time in large format, for easy viewing.

- From the Home screen, touch  **Applications** →  **Clock**.

Contacts

Use Contacts to store information for your friends, family and colleagues, to make contacting them easy.

For more information, see “*Contacts*” on page 29.

- From the Home screen, touch  **Applications** →  **Contacts**.

Downloads

View and manage files and other items you download to your phone.

1. From the Home screen, touch  **Applications** →  **Downloads**.
2. Touch an item to open it (if an appropriate application is installed.)

Note: Applications you download in Google Play™ Store are managed in Play Store, and will not appear in Downloads.

Email

Send and receive email using popular email services.

For more information, see “Email” on page 47.

- From the Home screen, touch  **Applications** →  **Email**.

Gallery

Use Gallery to view, capture, and manage pictures and videos.

1. From the Home screen, touch  **Applications** →  **Gallery**.
2. Browse the pictures and videos stored in device memory, and on optional installed memory cards (not included). While browsing, use these options:
 - Touch  **Camera** to launch Camera to take pictures or record videos.
 - Touch  **Menu** → **More** →  **Slideshow** to create a slideshow.

Viewing Videos

1. From the Home screen, touch  **Applications** →  **Gallery**.
2. Select an album, then select a video and touch  to play it.
3. While viewing videos, touch  **Menu**.
 - **Share via:** Send the video.
 - **Video brightness:** Adjust the brightness.
 - **Via Bluetooth:** Share the video via Bluetooth.
 - **Subtitles:** Display subtitles (if available in file).
 - **Color tone:** Choose a tone for video color.
 - **Outdoor visibility:** Turn On to adjust screen for improved visibility outdoors.
 - **Details:** View information about the video.

Viewing Pictures

1. From the Home screen, touch  **Applications** →  **Gallery**.
2. Touch an album, then touch a picture to view it.
3. While viewing a picture, touch  **Menu** for options:
 - Touch the zoom icons to zoom in or out.
 - Touch  **Send via** to send the picture.
 - Touch  **Delete** to erase the picture.
 - Touch  **More** for options:
 - **Set as**: Assign the picture as a Contact photo, or as wallpaper.
 - **Copy**: Create a copy, to paste into other apps.
 - **Print**: Print the picture via Wi-Fi to a compatible Samsung printer (not included).
 - **Edit**: Modify the picture.
 - **Crop**: Change the picture's size.
 - **Motion**: Configure motion settings for zooming and panning.
 - **Rotate left/Rotate right**: Change the picture's orientation.
 - **Slideshow**: Create a slideshow with all pictures.
 - **Rename**: Change the picture's filename.
 - **Details**: View information about the picture.

Sharing pictures and video

You can share pictures and videos via Email, Messaging, Bluetooth or popular sharing services.

1. From the Home screen, touch  **Applications** →  **Gallery**.
2. Touch an album to display thumbnails, then touch items to select them, or touch  **Menu** → **Select all**.
3. Touch  **Send via**, then follow the prompts.

Setting a Picture as a Contact Photo

Set a picture as a contact's photo. The contact's photo will appear with notifications to calls or messages from the contact.

1. From the Home screen, touch  **Applications** →  **Gallery**.
2. Touch a category, then touch a picture to select it.
3. Touch  **Menu** → **Set as** → **Contact photo**.
4. Select a contact, or create a new contact, with the selected picture as the contact's photo.

Setting a Picture as Wallpaper

Set a picture as the wallpaper for the Home and Lock screens.

1. From the Home screen, touch  **Applications** →  **Gallery**.
2. Touch a category, then touch a picture to select it.
3. Touch  **Menu** → **Set as**.
4. Select an option, from Home and lock screens, Home screen wallpaper, or Lock screen wallpaper. Use the crop tool to edit the picture, then touch **Done**.

Gmail

Send and receive emails via Gmail, Google's web-based email.

For more information, see “Gmail” on page 48.

- From the Home screen, touch  **Applications** →  **Gmail**.

Google+

Google+ makes messaging and sharing with your friends a lot easier. Set up Circles of friends, visit the Stream for updates from your Circles, use Messenger, or use Instant Upload to automatically upload photos and videos from your phone to your private album on Google+.

For more information, visit: www.google.com/+

- From the Home screen, touch  **Applications** →  **Google+**.

Internet

Your phone is equipped with a full HTML Browser, which allows you to access the internet, if subscribed to a data plan, or with a Wi-Fi connection.

- From the Home screen, touch  **Applications** →  **Internet**.

Navigating the Internet

Command Keys

- Touch  **Back** to return to the previous page.
- To go forward, touch  **Menu**, then touch **Forward**.

Touching and dragging

- Touch and drag your finger on the screen to navigate pages, and to reposition pages within the screen.

Entering text in a field

- While browsing, touch a text field to display the virtual QWERTY keyboard to enter text.

Zoom

- Tap the screen twice to zoom in or out.

Selecting items on a page

While browsing pages, use gestures and menus to navigate:

- Touch an item to select it.
- Touch a hyperlink to follow the link.
- Touch and hold on a hyperlink for options.

Entering a URL

Access a website quickly by entering the URL.

1. From the Home screen, touch  **Applications** →  **Internet**.
2. Touch the **URL** field at the top of the screen to enter the URL using the virtual QWERTY keyboard, then touch **Go**.

Using Windows

You can have multiple windows open at one time, and you can switch between windows.

- To open a new window, touch  **Windows** → .
- To switch to another open window, touch  **Windows**, then touch a window to display it.
- To close a window, touch  **Windows**, then touch  beside a window to close it.

Using Bookmarks

While browsing, bookmark a site to quickly access it later.

Creating a bookmark

1. From the Home screen, touch  **Applications** →  **Internet**.
2. Browse to the desired website, then touch  **Bookmarks**.
3. Touch  **Menu** → **Bookmark last-viewed page**, then confirm the details for the bookmark, then touch  **Save**.

Accessing bookmarks and history

Launch a bookmarked page, or reload recent pages.

1. From the Home screen, touch  **Applications** →  **Internet**.
2. Touch  **Bookmarks** to display bookmarks, then use these options:
 - Touch an item to load the page.
 - Touch and hold on an item for options.
 - Touch  **Menu** for more options.

Kies air

It's time to share wirelessly. Kies Air makes it easy to manage content saved on your device via your desktop or mobile browser using Wi-Fi technology. Without any need for cables, you can easily play and transfer media files, manage data, and more.

For more information, visit:

www.samsung.com/us/kies

- From the Home screen, touch  **Applications** →  **Kies Air**.

Latitude

Use Google Latitude to locate your friends on a map, and share or hide your location.

- From the Home screen, touch  **Applications** →  **Latitude**.

Local

Google Places is now Google Local, to use your location to help you find destinations, such as restaurants, bars, hotels, attractions, ATMs, and gas stations, or you can enter a location.

- From the Home screen, touch  **Apps** →  **Local**.

Maps

Use Google Maps to find your current location, plus get directions and other location-based information.

Note: You must enable location services to use Maps, and some features require Standalone or Google location services. For more information, see “*Location services*” on page 101.

- From the Home screen, touch  **Applications** →  **Maps**.

Navigating the Map

Zooming

- Double-tap on the screen to zoom in.
- Touch Zoom in or Zoom out.

Scrolling

- Touch and drag on the screen to reposition the map in the display.

Touch

- Touch an icon on the map to display information about the location.

Messenger

Google+ Messenger lets you chat and coordinate with any of your friends, all at the same time.

For more information, visit: www.google.com/+

- From the Home screen, touch  **Applications** →  **Messenger**.

Messaging

Send and receive text and multimedia messages.

For more information, see “*Text and Multimedia Messages*” on page 44.

- From the Home screen, touch 
Messaging.
– or –

From the Home screen, touch  **Applications** →  **Messaging**.

Mobile ID

Don't waste time hunting around for all the best downloads. Mobile ID lets you customize your phone with a single click. "The Essentials" ID pack includes an entire set of apps, widgets, and more – handpicked by Virgin Mobile. Plus, choose from other Mobile ID packs designed to match your interests. They're free to download, easy to swap.

You can install as many as five ID Packs at any one time in addition to the default the Essentials pack. You can easily switch from one ID Pack to another without losing any applications already installed.

Installing an ID Pack

Note: Your device must be activated, your battery should be fully charged, and you should be in a network coverage area before you install an ID Pack.

1. From the Home screen, touch  **Applications** →  **Mobile ID**.
2. Touch **Get New ID Packs** on the **Choose your ID** screen. (My ID is the default ID Pack.)
3. Touch an ID Pack on the Mobile ID screen.
4. Read the information screen for a description of the ID Pack and tap **Install**.
5. Read the Terms & Conditions and touch **Agree**.
6. Wait for the download and install to finish. (If prompted, touch **Complete Install**.)

Switching ID Packs

1. From the Home screen, Touch  **Mobile ID** → **Manage ID packs**.
2. Choose an option:
 - Touch **Manage ID packs**, then select an ID Pack to replace your current pack.
 - Touch **Get New ID Packs**, then follow the prompts to download and install a new ID Pack. For more information, see “*Installing an ID Pack*” on page 64.

Note: Certain features of Mobile ID are subject to change. For the most up-to-date information about using Mobile ID, see the User Guide at virginmobileusa.com/help-support.

Music Player

Music Player plays songs stored on your phone or an installed memory card.

1. From the Home screen, touch  **Applications** →  **Music Player**.
2. Music Player scans for songs stored in phone memory, or on an installed memory card, and displays your songs on the **All**, **Playlists**, **Albums**, **Artists**, and **Folders** tabs.
3. Touch a song to begin playback. During playback, use sound and playlist controls:
 -  **Volume:** Touch to activate on-screen volume control, then touch and drag on the scale to set volume, or press the Volume Key on the side of the phone to adjust playback volume. If you have motion settings turned on, place the phone screen-down to mute playback.
 -  **Shuffle:** When enabled, songs play in random order. When disabled, songs play in the order they appear in List view.
 -  **Repeat:** Touch to repeat the current song, repeat all songs, or disable repeat mode.
 -  **List:** Touch to switch to a list view of songs.
 - **Details:** Touch the song title to display song details.

- Touch **▶▶** to advance to the next song. Touch and hold **▶▶** to scan forward through the current song.
- Touch **◀◀** to go back to the previous song. Touch and hold **◀◀** to scan backward through the current song.
- Touch **⏸** to pause playback. Touch **▶** to resume playback.
- Touch **≡ Menu** for these options:
 - **Add to quick list:** Add the current song to the Quick list playlist.
 - **Via Bluetooth:** Share the song via Bluetooth.
 - **Share music via:** Share the song via AllShare, Bluetooth, Email, Gmail, Messaging, or Wi-Fi Direct.
 - **Set as:** Assign the song as a Phone ringtone (plays for incoming calls), Caller ringtone (plays for calls from a contact), or Alarm tone (plays for alarm notifications).
 - **Add to playlist:** Choose a playlist and add the song to it.
 - **Settings:** Configure other settings (see below).
 - **Details:** View information about the song.
- Touch **≡ Menu → Settings** for other options:
 - **Equalizer:** Choose a setting for the type of music.

- **Sound effects:** Choose the type of effect to apply to playback.
- **Music menu:** Customize the menu for selecting music on the main screen.
- **Visualization:** Enable or disable music-based animation to display during playback.
- **Lyrics:** Enable or disable display of lyrics during playback (available if the information is stored in the song file).
- **Music auto off:** Choose a time period for music to play, after which playback stops. If you choose Off, music plays until you stop playback.

Creating a Playlist

1. From the Home screen, touch  **Applications →**  **Music Player → Playlists.**
2. Touch **≡ Menu → Create**, then enter a name for the playlist.
3. Touch **Save**, then touch **Add music** to choose music for the playlist.

Adding a song to a playlist

1. From the Home screen, touch  **Applications** →  **Music Player**.
2. Touch and hold on a song, then choose **Add to playlist** from the pop-up menu.
3. Touch a playlist to add the selected song, or touch **Create playlist** to create a new playlist and add the selected song.

Adding multiple songs to a playlist

1. From the Home screen, touch  **Applications** →  **Music Player**.
2. Touch  **Menu** → **Add to playlist**.
3. Touch songs to select them, or touch **Select all**, then touch **Add**.
4. Select a playlist, or touch **Create playlist** to create a new playlist.

Setting a Song as a Ringtone

You can set a song as a ringtone for all voice calls, for calls from an individual contact, or as an alarm tone.

1. From the Home screen, touch  **Applications** →  **Music Player**.
2. Touch and hold on a song, then touch **Set as** and choose from these options:
 - **Phone ringtone**: Set the song as the default ringtone for all incoming voice calls.
 - **Caller ringtone**: Choose a contact to set the song as the ringtone for calls from the contact.
 - **Alarm tone**: Set the song as the alarm ringtone for a new alarm, or for an existing alarm.

My Account

Manage your Virgin Mobile account from your phone. You can:

- Check your minutes
- Add money (Top-Up)
- Change plans, and a lot more...

For more information, see “*Managing Your Account*” on page 13.

- From the Home screen, touch

 **Applications** →  **My Account** from the Home screen.

Note: You can also access My Account by dialing *729.

My Files

Find, view and manage files stored on an installed memory card. If the file is associated with an application on your phone, you can launch the file in the application.

1. From the Home screen, touch  **Applications** →  **My Files**.
2. Tap a folder and swipe your finger on the screen to browse files.
3. Touch a file to open it (if the file is associated with an application).
4. While browsing files, use these controls:
 - Touch  **Up** to go back up to a higher directory.
 - Touch  **Home** to go back to the root directory.
 - Touch  **Menu** for options.

Navigation

Use Google Navigation to search for locations, and get turn-by-turn directions.

Note: You must enable location services to use Navigation, and some features require Standalone or Google location services. For more information, see “*Location services*” on page 101.

- From the Home screen, touch  **Applications** →  **Navigation**.

Phone

Place calls, review recent calls, or dial a number to send a message.

For more information, see “*Calling*” on page 38.

- From the Home screen, touch  **Applications** →  **Phone**.

Play Books

Google Books is now Google Play™ Books. Discovering your favorite books and authors has never been easier. With Google Play Books, you can shop the world's largest selection of ebooks and read them anywhere you like - on a tablet, phone, ereader, or the Web.

- From the Home screen, touch  **Applications** →  **Play Books**.

Play Magazines

Enjoy your favorite magazines, anywhere you go. Discover hundreds of bestselling magazines on Google Play. You can shop a wide selection of titles, from cooking to technology, travel, fashion, sports, photography, and so much more. It's never been easier to find a great read to enjoy on vacation, lounging at home or on your morning commute. Buy new issues or back issues, subscribe and get free 14 or 30-day trials, and customize your reading experience for Android tablet or phone.

- From the Home screen, touch  **Applications** →  **Play Magazines**.

Play Movies & TV

With Google Play™ Movies & TV, you can rent thousands of different movies, to watch instantly, or download for offline viewing later.

- From the Home screen, touch  **Applications** →  **Play Movies & TV**.

Play Music

With Google Play™ Music, you can play music you've downloaded, and music you copied from your computer. You'll need to have a Google account set up on your phone to download a new application.

- From the Home screen, touch  **Applications** →  **Play Music**.

Play Store

Android Market is now Google Play™ Store, where all your favorite books, movies, apps, and games are all in one place that's accessible from the Web and your Android device. You'll need to have a Google account set up on your phone to download a new application.

1. From the Home screen, touch  **Applications** →  **Play Store**.
2. The first time you open Play Store, read the Terms of Service, then touch **Accept** to continue.
3. Browse for applications to download, then follow the prompts.

Search

Use Google Search to search the Web.

1. From the Home screen, touch the  **Google Search Widget**.
— or —

From the Home screen, touch

-  **Applications** →  **Search**.
2. Enter search criteria. Search results display automatically. Touch a search result to display it in a browser window.

Settings

Configure your phone to your preferences.

For more information, see “*Settings*” on page 84.

- From the Home screen, touch  **Applications** →  **Settings**.

Talk

Chat with other Google Talk users.

Note: Talk requires a Google account. For more information, see “*Setting Up Your Accounts*” on page 28. When you set up your Google account on your device, you are automatically logged in.

- From the Home screen, touch  **Applications** →  **Talk**.

Video Player

Use Video Player to view and manage videos stored on an installed memory card, or shop for new videos.

1. From the Home screen, touch  **Applications** →  **Video player**.
2. Video Player scans for videos stored in phone memory, or on an installed memory card, and displays your videos on the **Thumbnails**, **List**, and **Folders** tabs.
3. Touch a video to play it. While playing a video, touch the screen to display or hide on-screen Forward, Pause, and Back playback controls.
4. During playback, use the sound and playlist controls:
 -  **Volume:** Touch to activate on-screen volume control, then touch and drag on the scale to set volume, or press the Volume Key on the side of the phone to adjust playback volume. If you have motion settings turned, turn the phone screen-down to mute playback.
 -  **Full screen:** Switch to viewing the video in full screen mode, to use the entire display.
 - Touch  to advance to the next video. Touch and hold  to scan forward through the current video.

- Touch  to go back to the previous video. Touch and hold  to scan backward through the current video.
- Touch  to pause playback. Touch  to resume playback.

Tip: While playing a video, touch  **Menu** for options.

Voicemail

All unanswered calls to your phone are sent to voicemail, even if your phone is turned off, so you'll want to set up your voicemail and personal greeting as soon as you activate your phone.

1. From the Home screen, touch  **Apps** →



Voicemail.

— or —

From the Home screen, touch  **Phone**, then touch and hold .

Note: For more information about setting up and checking voicemail, see “*Voicemail*” on page 49.

WiFi Hotspot

Use WiFi Hotspot to share your phone's internet connection with a PC or other device through Wi-Fi, using your phone as the Wi-Fi hotspot.

1. From the Home screen, touch  **Applications** →  **WiFi Hotspot.**
2. Touch **WiFi Hotspot**  to turn Wi-Fi Hotspot On or Off.

If you have Wi-Fi active, you are prompted to deactivate it before activating Wi-Fi Hotspot.

3. Follow the **On your PC...** instructions to connect a device to the Wi-Fi hotspot. (For more information, refer to “*Connecting a Device via WiFi Hotspot*” on page 83.)

Configuring WiFi Hotspot

1. From the **WiFi Hotspot** screen, touch  **Menu**, then select **Configure (WiFi Hotspot)** for these options:
 - **Network SSID:** View and change the name of your Wi-Fi hotspot.
 - **Hide my device:** When enabled, your mobile hotspot is not visible to other Wi-Fi devices during a scan. Other devices can still connect to your mobile hotspot, but will have to set up the connection manually with your Network SSID and Password.
 - **Security:** Choose the security level for your Wi-Fi Hotspot.
 - **Password:** If you choose a security level that uses a password, enter the password. By default, the password is your mobile telephone number.
 - **Show password:** Enable to make the Password field contents visible.
 - **Show advanced options:** Enable to access advanced options, including Broadcast channel, to specify the channel your device uses for Wi-Fi Hotspot.
2. Touch **Save** to save your settings.

Allowed Device List

Control which devices can connect to your WiFi Hotspot with the Allowed device list. After you add devices to the list, they can scan for your device and connect using your device's mobile hotspot name and password.

Note: Using your phone as a mobile hotspot consumes battery power and uses data service. While WiFi Hotspot is active, your phone's applications will use the WiFi Hotspot data service.

1. From the **WiFi Hotspot** screen, touch  **Menu**, then select **Allowed device list**.
2. Touch **Add**, then enter the other device's MAC address.
3. Touch **Done** to add the device to the **Allowed devices** list.

Tip: For information about connecting to your WiFi Hotspot, see *“Connecting a Device via WiFi Hotspot”* on page 83.

Advanced

Control the number of devices that can connect to your WiFi Hotspot and change the LAN settings, using the Advanced settings.

- From the **WiFi Hotspot** screen, touch  **Menu**, then select **Configure (WiFi Hotspot)** for these options:
 - **Max clients:** Select the maximum number of devices that can connect to your WiFi Hotspot (1 through 8, default = 5).
When you select a new Max clients value, you disconnect all devices currently connected to your WiFi Hotspot.
 - **LAN settings:** Change Local Settings and DHCP Settings to match any changes to your Wireless Provider's network. For more information, contact your Wireless Provider.

YouTube

View and upload YouTube videos, right from your phone.

- From the Home screen, touch  **Applications** →  **YouTube**.

Section 8: Connections

Wi-Fi

Wi-Fi is a wireless networking technology that provides access to local area networks.

Wi-Fi communication requires access to an existing Wi-Fi network. Wi-Fi networks can be Open (unsecured), or Secured (requiring you to provide login credentials).

Configuring Wi-Fi Settings

Configure your phone's Wi-Fi settings.

For more information, see “*Wi-Fi Settings*” on page 85.

Turning Wi-Fi On or Off

Turn your phone's Wi-Fi service on or off. When you turn Wi-Fi service on, your phone automatically searches for nearby available Wi-Fi networks.

Tip: You can also turn Wi-Fi On or Off from



Apps →



Settings.

1. From the Home screen, sweep your finger downward from the Status Bar to display Notifications.
2. Touch **Wi-Fi networks available** to launch Wi-Fi settings, then touch **Wi-Fi** .



Scanning and Connecting to a Wi-Fi Network

When you turn on Wi-Fi, your phone searches for available Wi-Fi connections, then displays them.

1. From the Home screen, sweep your finger downward from the Status Bar to display Notifications.
2. If Wi-Fi is not already on, touch **Wi-Fi networks available** to launch Wi-Fi settings, then touch **Wi-Fi** .
3. When your phone completes a scan, touch a Wi-Fi network to connect. If the Wi-Fi network is open, you will be automatically connected. If the Wi-Fi network is secured, enter the password at the prompt to connect.

Adding a Wi-Fi Network Manually

1. From the Home screen, sweep your finger downward from the Status Bar to display Notifications.
2. If Wi-Fi is not already on, touch **Wi-Fi networks available** to launch Wi-Fi settings, then touch **Wi-Fi** .
3. After a scan, touch **Add network** (you may need to scroll to the bottom of the scanned devices list). Enter these fields:
 - **Network Name (SSID)**: Enter the name of the Wi-Fi network.
 - **Security**: Select the type of security used by the Wi-Fi network.
 - **Password**: If the network is secured, enter the password.
4. Touch **Save** to save the settings for future use.

Wi-Fi Direct

Wi-Fi Direct is a standard that allows devices to connect to each other directly via Wi-Fi, without a Wi-Fi network or hotspot, and without having to set up the connection. This type of connection is commonly called peer-to-peer.

For example, your device can use Wi-Fi Direct to share photos, contacts and other content with other Wi-Fi Direct devices. Many of the apps on your device provide options for sharing via Wi-Fi Direct under  **Menu**.

Turning Wi-Fi Direct On or Off

1. From the Home screen, touch  **Apps** →  **Settings** → **More...**
2. Touch **Wi-Fi Direct**  to turn Wi-Fi Direct On or Off.

Connecting to Wi-Fi Direct Devices

1. First, enable Wi-Fi Direct on your device. From the Home screen, touch  **Apps** →  **Settings** → **More...**, then touch **Wi-Fi Direct** .
2. Enable Wi-Fi Direct on the other device(s). Consult the other device's documentation for more information.
3. On your device, touch **Wi-Fi Direct** to scan for the other device(s).
4. In the Available devices list, touch a device to connect with it, or touch **Multi-connect** to connect to multiple devices (not all devices support multi-connect).
5. Follow the prompts on both devices to complete the connection.

Bluetooth

Note: For Hearing Aid Compatibility Information, see page 134.

Bluetooth is a short-range wireless communications technology for exchanging information over a distance of about 30 feet. You don't need to line up the devices to send information with Bluetooth. If the devices are in range, you can exchange information between them, even if they are in different rooms.

Your device can use Bluetooth to share photos, contacts and other content with other Bluetooth devices. Many of the apps on your device provide options for sharing via Bluetooth under  **Menu**.

Configuring Bluetooth Settings

Configure your phone's Bluetooth settings. For more information, see “*Bluetooth settings*” on page 86.

Note: Bluetooth profiles are specifications for services supported by individual devices. For a list of profiles your phone supports, see “*Turning Bluetooth On or Off*” on page 86.

Turning Bluetooth On or Off

1. From the Home screen, touch  **Apps** →  **Settings**.
 2. Touch **Bluetooth**  to turn Bluetooth On or Off.
-

Tip: You can also turn Bluetooth On or Off on Notifications. From almost any unlocked screen, sweep your finger down from the Status bar to display Notifications.

Pairing with a Bluetooth Device

Search for a Bluetooth device and pair with it, to exchange information between your phone and the device.

After pairing, your phone and the target device will recognize each other and exchange information without a passcode or PIN.

Note: When paired, the  **Bluetooth paired** icon displays in the Status Bar. If you receive a new request for pairing while paired with a Bluetooth headset, a new Bluetooth icon displays at the left of the Status bar and Notifications displays the pairing request.

- If the device allows automatic or smart pairing, your phone will attempt to pair with the phone automatically. Follow the prompts on your phone and the target device to complete the pairing.

1. From the Home screen, touch  **Apps** →  **Settings**.
2. Touch **Bluetooth**  to turn Bluetooth On.
3. Activate the target device's discoverable, or visible, mode.
4. On your device, touch **Scan**.
5. From the list of scanned devices, touch the target device, then follow the prompts to complete the pairing:
 - If the target device requires a PIN, enter a PIN for the target device and touch **OK**. When prompted, enter the PIN on the target device.

Connecting to a Computer

Connect your device to a computer to transfer data between your device and the computer. Use the USB cable that comes with your device, or use one of the pre-loaded apps on your device to connect wirelessly.

Transferring Data

Connect your device to a computer, via USB cable, to transfer data as a Media device using MTP (Media Transfer Protocol), or as a Camera using PTP (Photo Transfer Protocol).

1. Attach your phone to the computer with a USB data cable. Your phone recognizes the connection as the last connection method you used, and displays a connection alert in the Status bar and Notifications.
2. From the Home screen, sweep your finger downward to display Notifications, then touch the alert.
3. Select a connection method:
 - **Media device (MTP):** Transfer media files with Windows, or using Android file transfer on a Mac (see www.android.com/filetransfer).
 - **USB mass storage:** Connect your phone's mass storage to the personal computer to transfer whatever files you wish.

4. On your computer, choose a method for accessing your device. Available options depend on the programs installed on your computer.
5. Transfer files to the memory card. When finished, you can disconnect the USB cable.

Kies via Wi-Fi

Manage content saved on your device via your desktop or mobile browser using Wi-Fi technology. The Kies via Wi-Fi setting connects your phone via Wi-Fi to the Kies application, which you can install on your computer.

For more information, visit: www.samsung.com/us/kies

- From the Home screen, touch  **Apps** →  **Settings** → **More...** → **Kies via Wi-Fi**.

Note: To sync your device to a PC, it is highly recommended that you install Samsung Kies, which is available at <http://www.samsung.com/kies> (for Windows/Mac).

Note: If you are a Windows XP user, ensure that you have Windows XP Service Pack 3 or higher installed on your computer. Also, ensure that you have Samsung Kies 2.0 or Windows Media Player 10 or higher installed on your computer.

VPN

You can use your phone's VPN (Virtual Private Network) feature to connect to VPNs.

Configuring VPN Settings

Configure your phone's VPN settings. For more information, see “VPN” on page 89.

Note: You must set a screen unlock pattern, PIN, or password before setting up a VPN. If you have not yet enabled security, you'll be prompted to do so the first time you launch VPN settings.

Adding a VPN

1. From the Home screen, touch  **Apps** →  **Settings** → **More...** → **VPN**.
2. Touch **Add VPN network** to set up a connection to a VPN. Available settings depend on the type of VPN.

WiFi Hotspot

Use WiFi Hotspot to share your phone's internet connection with up to 8 PCs or other devices through Wi-Fi, using your phone as the mobile hotspot.

Note: WiFi Hotspot requires a subscription to WiFi Hotspot/Mobile Broadband Connect service. Contact your Wireless Provider for more information.

Mobile Hotspot consumes battery power and uses data service. While the WiFi Hotspot is active, your phone's applications will use the WiFi Hotspot data allowance.

Configuring WiFi Hotspot Settings

Configure your phone's WiFi Hotspot settings, including your phone's name and password, and set the visibility of your phone's Wi-Fi hotspot.

For more information, see *"Configuring WiFi Hotspot"* on page 73.

Turning WiFi Hotspot On or Off

Activate your phone's Mobile Hotspot application to allow other devices to use your phone's internet connection.

1. From the Home screen, touch  **Applications** →  **WiFi Hotspot**.
2. Touch **WiFi Hotspot**  to turn Wi-Fi Hotspot On or Off.

Connecting a Device via WiFi Hotspot

Use the other device's Wi-Fi control to connect to your device's WiFi Hotspot.

1. Turn on WiFi Hotspot on your phone. For more information, see *“Turning WiFi Hotspot On or Off”* on page 82.
2. Activate Wi-Fi on the device, using the device's Wi-Fi control.
3. Scan for Wi-Fi hotspots, and select your device from the list. To find your device's name, see *“Configuring WiFi Hotspot”* on page 73.
4. At the prompt, enter your phone's WiFi Hotspot password. By default, the password is your phone's telephone number. For more information, see *“Configuring WiFi Hotspot”* on page 73.

Section 9: Settings

Accessing Settings

From the Home screen

- Touch  **Apps** →  **Settings**.
– or –
Touch  **Menu**, then select **Settings**.

From Notifications

- Touch and drag downward from the top of the screen to display notifications, then touch .

Wi-Fi

Set up and manage your phone's connections to Wi-Fi networks.

For more information about using Wi-Fi, see “*Wi-Fi*” on page 75.

Turning Wi-Fi On or Off

Turn your phone's Wi-Fi service on or off. When you turn Wi-Fi service on, your phone automatically searches for available Wi-Fi networks.

Tip: You can also turn Wi-Fi On or Off from Notifications.

1. From the Home screen, touch  **Apps** →  **Settings**.
2. Touch **Wi-Fi**  to turn Wi-Fi On or Off.

Wi-Fi Settings

Set up and manage wireless access points.

1. From the Home screen, touch  **Apps** →



Settings → **Wi-Fi**.

2. Touch  **Menu** → **Advanced** to configure:

- **Network notification:** When enabled, your phone notifies you of Wi-Fi networks when you launch a high data-usage application.
- **Keep Wi-Fi on during sleep:** Specify when to switch from Wi-Fi to mobile data for data communications, when the phone goes to sleep (backlight goes out and screen locks). This setting can affect your data usage, and the behavior of devices connected to your phone.
- **Wi-Fi frequency band:** Specify the frequency range for Wi-Fi operation.
- **MAC address:** Your phone's unique identifier, used when connecting to Wi-Fi (not configurable).
- **IP address:** Your phone's IP (Internet Protocol) address (not configurable).

4G settings

Manage your device's connection to 4G network services.

Tip: You can also turn 4G On or Off from Notifications.

1. From the Home screen, touch  **Apps** →



Settings.

2. Touch **4G settings**  to turn 4G On or Off. 4G settings must be On to configure settings.

3. Configure options:

- **Network notification:** When enabled, your device notifies you when a 4G network is available.
- **4G networks:** Touch a network to view details.
- **Scan now:** Search for available networks.

Bluetooth

Use Bluetooth to transfer information between your device and other Bluetooth devices.

Turning Bluetooth On or Off

1. From the Home screen, touch  **Apps** →  **Settings**.
2. Touch **Bluetooth**  to turn Bluetooth On or Off.

Tip: You can also turn Bluetooth On or Off at Notifications.

Bluetooth settings

Pair with other Bluetooth devices, manage your Bluetooth connections, and control your device's visibility to other devices.

Note: Bluetooth must be turned On to access Bluetooth settings.

1. From the Home screen, touch  **Apps** →  **Settings** → **Bluetooth**.
2. Touch a setting to configure Bluetooth:
 - Touch  to turn Bluetooth On or Off.
 - Touch your phone's name to control its visibility to other devices' Bluetooth searches. Available when Bluetooth is turned On.
 - Touch **Scan for devices** to search for visible Bluetooth devices. After searching, touch a device to pair with it. For more information, see *"Pairing with a Bluetooth Device"* on page 79.

Data usage

Control your device's connection to mobile data service, and monitor your data usage.

Turning Mobile data On or Off

1. From the Home screen, touch  **Apps** →  **Settings** → **Data usage**.
2. Touch **Mobile data**  to turn mobile data On or Off.

Viewing data usage by app or process

1. From the Home screen, touch  **Apps** →  **Settings** → **Data usage**.
2. Scroll down the page to see the processes or apps using mobile data service. Touch a process or app to see data usage for the process or app, and to configure specific settings.

Setting a mobile data limit

Set a mobile data limit, to have your phone automatically disable the mobile data connection when the limit is reached. You can set a warning threshold, to have your device alert you when data usage nears your set limit.

Warning! Data usage displayed/measured by your phone may differ from your carrier's measured data usage and is not guaranteed as the actual usage measured by your carrier. Please check with your carrier for actual data usage.

1. From the Home screen, touch  **Apps** →  **Settings** → **Data usage**.
2. Touch **Set mobile data limit** to enable the limit.
3. Configure the limit by touching and dragging the limit line on the graph.

More Wireless and network Settings

Airplane mode

When airplane mode is enabled, all your phone's wireless connections are disabled, and you cannot make or receive calls or messages or connect to networks. While in airplane mode, you can use other features of your phone, such as playing music, watching videos, or other applications.

1. From the Home screen, touch  **Apps** →  **Settings** → **More...**
2. Touch **Airplane mode** to enable or disable airplane mode.

Note: Airplane mode can also be controlled from Device options when you press and hold the **Power/Lock Key**.

Kies via Wi-Fi

Kies air makes it easy to manage content saved on your device via your desktop or mobile browser using Wi-Fi technology.

Using Kies via Wi-Fi requires the Samsung Kies application on your computer. For more information, visit:

www.samsung.com/us/kies

Your device, and the computer with the Kies application, must be connected to the same Wi-Fi network.

1. From your computer, launch the Samsung Kies application, and connect to a Wi-Fi network.
2. On your device, connect to the same Wi-Fi network.
3. From the Home screen touch  **Apps** →  **Settings** → **More...** → **Kies via Wi-Fi**.

VPN

Set up and manage Virtual Private Networks (VPNs). For more information about using VPNs, see “VPN” on page 81.

Adding a VPN

1. From the Home screen, touch  **Apps** →  **Settings** → **More...** → **VPN**.
2. Touch **Add VPN network** to set up a connection to a VPN. Available settings depend on the type of VPN.

Note: You must enable at least Pattern security before setting up a VPN. If you have not yet enabled security, you'll be prompted to do so the first time you launch VPN settings.

Wi-Fi Direct

Wi-Fi Direct allows devices to connect to each other directly via Wi-Fi, without a Wi-Fi network or hotspot, and without having to set up the connection. For example, your phone can use Wi-Fi Direct to share photos, contacts and other content with other Wi-Fi Direct devices. For more information, see “Wi-Fi Direct” on page 77.

Turning Wi-Fi Direct On or Off

1. From the Home screen, touch  **Apps** →  **Settings** → **More settings**.
2. Touch **Wi-Fi Direct**  to turn Wi-Fi Direct On or Off.

Configuring Wi-Fi Direct

1. From the Home screen, touch  **Apps** →  **Settings** → **More...**
2. Touch **Wi-Fi Direct** to configure settings:
 - When you turn on Wi-Fi Direct, your device automatically searches for available Wi-Fi Direct devices. Touch **Scan** to start a new search.
 - After scanning for devices, touch a device to connect to it, then follow the prompts to complete the connection.

Mobile networks

Set options for using Mobile Data service, if subscribed to a data plan, or use Connections optimizer to manage connections to Wi-Fi networks.

Important! Depending on your service plan, changes you make to mobile networks settings may incur extra charges. Consult Virgin Mobile for more information.

1. From the Home screen, touch  **Apps** →  **Settings** → **More...** → **Mobile networks**.
2. Set these options:
 - **3G data:** Enable or disable your phone's connection to the 3G data network.
 - **Connections optimizer:** When enabled, Connections optimizer helps you manage your data connection experience by automatically connecting to "remembered" Wi-Fi networks. Remembered Wi-Fi networks are those you have connected to previously and saved.

Call Settings

Set reject messages

Create and manage text messages to send to callers when rejecting incoming calls. Messages you create here are available from the incoming call screen when you use the Reject with message option.

1. From the Home screen, touch  **Phone**.
2. Touch  **Menu** → **Settings** → **Set reject messages**.
3. Manage messages:
 - To create new messages, touch **Create**, then follow the prompts.
 - To modify an existing message, touch the message, then edit the text.
 - To delete a message, drag it to the trashcan.

Turn on proximity sensor

When enabled, the screen turns off during calls, and the phone uses the proximity sensor on the front of the phone to detect when you lift the the phone to your ear, to turn the screen back on.

1. From the Home screen, touch  **Phone**.
2. Touch  **Menu** → **Settings** → **Turn on proximity sensor**.

North American dialing

When enabled, the phone replaces + with the international dialing code, except when +1 is dialed.

1. From the Home screen, touch  **Phone**.
2. Touch  **Menu** → **Settings** → **North American dialing**.

International dialing

When enabled, the phone automatically adds the International dialing code before numbers you dial.

Note: International dialing is only available when North American dialing is disabled.

1. From the Home screen, touch  **Phone**.
2. Touch  **Menu** → **Settings** → **International dialing**.
3. Enter the International dialing code, then touch **OK**.

DDTM

When enabled, voice calls are automatically sent to voicemail during an active data connection.

1. From the Home screen, touch  **Phone**.
2. Touch  **Menu** → **Settings** → **DDTM**.

TTY Mode

TTY mode allows you to attach TTY equipment to your phone.

1. From the Home screen, touch  **Phone**.
2. Touch  **Menu** → **Settings** → **TTY mode**.
3. Select a mode, or select TTY mode off.

Alerts on call

When enabled, alerts for alarms and message notifications will go off during calls.

1. From the Home screen, touch  **Phone**.
2. Touch  **Menu** → **Settings** → **Alerts on call**.

Voicemail settings

Set options for voicemail.

1. From the Home screen, touch  **Phone**.
2. Touch  **Menu** → **Settings** → **Voicemail settings**.

Sound

Volume

Set the system volume level, and set default volume for call ringtones, notifications, and media playback.

Note: You can also set System volume from the Home screen by pressing the **Volume Key**.

1. From the Home screen, touch  **Apps** →  **Settings** → **Sound** → **Volume**.
2. Touch and drag the sliders for:
 - **Music, video, games, and other media:** Set the default volume level for audio playback. You can also adjust volume from this default inside the apps.
 - **Ringtone:** Set the volume for incoming call ringtones.
 - **Notifications:** Set the volume for notifications, such as new messages and event reminders.
 - **System:** Set the volume for all other system sounds, such as keytones played for screen touches. You can control whether tones play for screen touches with other sound settings.
3. Touch **OK** to save your settings.

Vibration intensity

Set the level for vibration to accompany ringtones and notifications.

1. From the Home screen, touch  **Apps** →  **Settings** → **Sound** → **Vibration intensity**.
2. Touch and drag the sliders for:
 - **Ringtone:** Set the vibration level for incoming call ringtones.
 - **Notification:** Set the vibration level for notifications, such as new messages and event reminders.
 - **Vibrate on screen tap:** Set the level of vibrations to accompany screen touches.
3. Touch **OK** to save your settings.

Silent mode

Use Silent mode to temporarily silence the sounds your phone makes, except for media playback and alarms, or replace them with vibration.

1. From the Home screen, touch  **Apps** →  **Settings** → **Sound** → **Silent mode**.
2. Select a profile:
 - **Off:** Use your Sound settings.
 - **Vibrate:** Enable Vibrate profile, to replace sounds with vibration. You can also enable Vibrate profile by pressing the Volume Key down from the Home screen, or by pressing and holding the Power/Lock Key to select it from the Device options menu.
 - **Mute:** Enable Mute profile, to silence all sounds. You can also enable Mute profile by pressing the Volume Key down from the Home screen, or by pressing and holding the Power/Lock Key to select it from the Device options menu.

Tip: Sound profiles are also available from Device options when you press and hold the **Power/Lock Key**.

Phone ringtone

Choose a ringtone for incoming calls.

1. From the Home screen, touch  **Apps** →  **Settings** → **Sound** → **Phone ringtone**.
2. Touch a ringtone to select it. As you touch ringtones, a sample plays, unless you have a Silent mode enabled.
3. Touch **OK** to save your settings.

Tip: You can also set songs as ringtones for all calls, or for a selected contact. For more information, see “*Setting a Song as a Ringtone*” on page 67.

Default notifications

Choose a ringtone for notifications.

1. From the Home screen, touch  **Apps** →  **Settings** → **Sound** → **Default notifications**.
2. Touch a ringtone to select it. As you touch ringtones, a sample plays, unless you have a Silent mode enabled.
3. Touch **OK** to save your settings.

Vibrate and ring

Choose a vibration pattern to use when vibration is enabled.

1. From the Home screen, touch  **Apps** →  **Settings** → **Sound**.
2. Touch **Vibrate and ring** to turn vibration On or Off.

Keytones

Keytones are sounds that play when you touch keys on the Phone keypad.

1. From the Home screen, touch  **Apps** →  **Settings** → **Sound**.
2. Touch **Keytones** to turn key sounds On or Off.

Touch sounds

Touch sounds play when you touch items on the screen, such as when making a selection.

1. From the Home screen, touch  **Apps** →  **Settings** → **Sound**.
2. Touch **Touch sounds** to turn sounds On or Off.

Screen lock sound

Screen lock sound plays when you lock or unlock the screen.

1. From the Home screen, touch  **Apps** →  **Settings** → **Sound**.
2. Touch **Screen lock sounds** to turn sounds On or Off.

Vibrate on screen tap

Your phone vibrates when you touch the screen.

1. From the Home screen, touch  **Apps** →  **Settings** → **Sound**.
2. Touch **Vibrate on screen tap** to turn vibration On or Off.

Display

Home screen wallpaper

Customize the background of the Home screen.

1. From the Home screen, touch  **Apps** →  **Settings** → **Display** → **Home screen wallpaper**.
2. Select a source for wallpaper, from **Gallery**, **ID wallpapers** (if ID Packs are installed), **Live wallpapers**, or **Wallpaper gallery**, or **Wallpapers**.
3. Follow the prompts to set the picture or wallpaper.

Note: You can also set Wallpaper by touching and holding on the Home screen.

Lock screen wallpaper

Customize the background of the Lock screen.

1. From the Home screen, touch  **Apps** →  **Settings** → **Display** → **Lock screen wallpaper**.
2. Select a source for wallpaper, from **Gallery** or **Wallpaper gallery**.
3. Follow the prompts to set the picture or wallpaper.

Clock

Choose whether a clock displays on the Lock screen.

1. From the Home screen, touch  **Apps** →  **Settings** → **Display**.
2. Touch **Clock** to enable or disable the clock.

Weather

Choose whether current weather conditions display on the Lock screen.

1. From the Home screen, touch  **Apps** →  **Settings** → **Display**.
2. Touch **Weather** to enable or disable the weather display.

Weather settings

If you've chosen to display current weather conditions on the Lock screen, configure weather settings.

1. From the Home screen, touch  **Apps** →  **Settings** → **Display**.
2. Touch **Weather settings** to customize the weather display.

Clock and weather position

If you've chosen to display current weather conditions on the Lock screen, choose where the clock and weather appear.

1. From the Home screen, touch  **Apps** →  **Settings** → **Display**.
2. Touch **Clock and weather position** to customize the display.

Brightness

Set the default screen brightness.

1. From the Home screen, touch  **Apps** →  **Settings** → **Display** → **Brightness**.
2. Touch and drag the slider to set the brightness, or touch **Automatic brightness** to allow the phone to adjust brightness in response to light conditions.
3. Touch **OK** to save your settings.

Screen mode

Select a screen mode.

1. From the Home screen, touch  **Apps** →  **Settings** → **Display** → **Brightness**.
2. Choose **Dynamic**, **Standard**, or **Movie**.

Auto-rotate screen

When enabled, the screen's orientation automatically changes when you rotate the phone.

1. From the Home screen, touch  **Apps** →  **Settings** → **Display**.
2. Touch **Auto-rotate screen** to turn the feature On or Off.

Tip: You can also set Auto rotate from Notifications with the Screen rotation setting.

Screen timeout

Set the length of delay between the last key press or screen touch and the automatic screen timeout (dim and lock).

1. From the Home screen, touch  **Apps** →  **Settings** → **Display** → **Screen timeout**.
2. Touch a setting to select it.

Font style

Set the font for screen displays.

1. From the Home screen, touch  **Apps** →  **Settings** → **Display** → **Font style**.
2. Select a font, or touch **Get fonts online** to browse and download a new font.

Pulse notification light

Choose whether the LED indicator lights to notify you of device status and other alerts.

1. From the Home screen, touch  **Apps** →  **Settings** → **Display**.
2. Touch Pulse notification light to turn the option On or Off.

Display battery percentage

When On, the battery's charge level displays in the Status bar next to the Battery icon.

1. From the Home screen, touch  **Apps** →  **Settings** → **Display**.
2. Touch **Display battery percentage** to turn the setting On or Off.

Touch key light duration

Set the length of time the Menu and Back Keys remain lit after you touch them.

1. From the Home screen, touch  **Apps** →  **Settings** → **Display** → **Touch key light duration**.
2. Choose a time period, or **Always off** or **Always on**.

Auto adjust screen power

When turned On, your phone automatically analyzes the screen and adjusts the brightness to conserve battery power.

1. From the Home screen, touch  **Apps** →  **Settings** → **Display**.
2. Touch **Auto adjust screen power** to turn the option On or Off.

Gyroscope calibration

Calibrate your device's motion detection feature.

1. From the Home screen, touch  **Apps** →  **Settings** → **Display**.
2. Touch **Gyroscope calibration**, then follow the prompts.

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Power saving mode

Configure settings to conserve battery power.

1. From the Home screen, touch  **Apps** →  **Settings** → **Power saving**.
2. Touch **Use power saving mode** to turn the setting On or Off. The setting must be On to configure options.
3. Touch **Custom power saving settings** to configure options:
 - **Power saving starts at:** Choose a battery power level at which to begin power saving mode.
 - **Turn off Wi-Fi:** When enabled, Wi-Fi will turn off when not connected with an AP.
 - **Turn off Bluetooth:** When enabled, Bluetooth will turn off when not in use.
 - **Turn off GPS:** When enabled, GPS will turn off when not in use.
 - **Turn off Sync:** When enabled, automatic synchronization will turn off when not in use.
 - **Brightness:** When enabled, screen brightness will automatically adjust to the level you set at the Brightness setting below.
 - **Screen timeout:** Adjust the delay before the screen automatically turns off.
4. Touch **Learn about power saving** for power saving tips.

Storage

Manage the use of memory resources in your phone's Device memory, and on an optional installed memory card (not included).

Device memory

View usage for your phone's internal memory.

Note: This setting cannot be configured.

1. From the Home screen, touch  **Apps** →  **Settings** → **Storage**.
2. Under **Device memory**, view memory usage for various categories. Touch a category for more information.

USB storage

View usage for your phone's internal memory.

Note: This setting cannot be configured.

1. From the Home screen, touch  **Apps** →  **Settings** → **Storage**.
2. Under **USB storage**, view memory usage for various categories. Touch a category for more information.

SD card

1. From the Home screen, touch  **Apps** →  **Settings** → **Storage**.
2. Under **SD card**, view memory usage for various categories. Touch a category for more information.
3. Touch **Unmount SD card** to prepare the memory card for safe removal or formatting. For more information, see *"Removing a Memory Card"* on page 11.
4. Touch **Format SD card** to permanently remove all content from an installed memory card. For more information.

Battery

See what's using battery power.

1. From the Home screen, touch  **Apps** →  **Settings** → **Battery**.
2. View battery usage for applications and services currently running. Touch an item for more information, or to configure options for managing power use.

Applications

You can download and install applications from the Google Play™ Store, or create applications using the Android SDK and install them on your phone. Use Application manager to manage applications on your phone.

Warning! Because this device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

1. From the Home screen, touch  **Apps** →  **Settings** → **Applications**.
2. Touch **Downloaded**, **On SD card**, **Running**, or **All** to view the status of applications and services. Touch an app or service for more information, and for app options, such as stopping or uninstalling.

Accounts and sync

Set up and manage accounts, including Samsung and Google accounts, and your social networking accounts.

Tip: For more information about adding accounts, see *“Setting Up Your Accounts”* on page 28.

Sync

When enabled, all accounts sync data at any time, automatically.

1. From the Home screen, touch  **Apps** →  **Settings** → **Accounts and sync**.
2. Touch **Accounts and sync**  to enable or disable the setting.

Adding an account

1. From the Home screen, touch  **Apps** →  **Settings** → **Accounts and sync**.
2. Touch **Add account**, then follow the prompts to enter your credentials and set up the account.

Removing an account

Important! Removing an account also deletes all of its messages, contacts and other data from the phone.

1. From the Home screen, touch  **Apps** →  **Settings** → **Accounts and sync**.
2. Touch an account to display its settings.
3. Touch **Remove account**, then follow the prompts to remove the account and delete all its messages, contacts and other data.

Managing accounts

Use Manage accounts to set up and configure your accounts.

Note: Available settings depend on the type of account. Not all settings are available for all accounts.

1. From the Home screen, touch  **Apps** →  **Settings** → **Accounts and sync**.
2. Touch the account to modify its settings.

Location services

Location services control your device's use of GPS signals. Some apps may require one or more location services be turned On for full app functionality.

GPS signals may be affected by your surroundings, including:

- Buildings
- Tunnels or underground structures
- Weather conditions
- High-voltage or electromagnetic fields
- Tinted windows

Google location service

Enable or disable location service sources such as Wi-Fi and mobile networks.

Important! By selecting Google location service, you are allowing Google's location service to collect anonymous location data. Some data may be stored on your device. Collection may occur even when no apps are running.

1. From the Home screen, touch  **Apps** →  **Settings** → **Location services**.
2. Touch **Google location service** to enable or disable the service.

GPS satellites

Enable or disable location service from GPS satellites.

1. From the Home screen, touch  **Apps** →  **Settings** → **Location services**.
2. Touch **GPS satellites** to enable or disable the service.

Use sensor aiding

Enable or disable location service from GPS satellites.

Important! Sensors enhance pedestrian positioning and save battery power. When indoors or underground, sensors work best if handset is aligned with direction of movement. Distorted magnetic fields will affect performance.

1. From the Home screen, touch  **Apps** →  **Settings** → **Location services**.
2. Touch **Use sensor aiding** to enable or disable the service.

Location and Google search

When enabled, Google uses your location data for improved search results and other services.

1. From the Home screen, touch  **Apps** →  **Settings** → **Location services**.
2. Touch **Location and Google search** to enable or disable the service.

Security

Screen lock

Choose settings for unlocking your phone.

For more information about using the lock and unlock features, see “*Securing Your Phone*” on page 10.

1. From the Home screen, touch  **Apps** →  **Settings** → **Security**.
2. Touch **Screen lock** for settings:
 - **None**: Disable all screen lock settings.
 - **Slide**: When enabled, you unlock the phone by sliding your finger across the screen. This is the default screen lock, and offers no security.
 - **Face unlock**: When enabled, you unlock the phone by looking at the screen.
 - **Pattern**: When enabled, you draw a pattern, which you create, on the screen to unlock the phone. Touch the option, then follow the prompts to create or change your screen unlock pattern.
 - **PIN**: When enabled, you enter a numeric PIN (Personal Identification Number), which you create, to unlock the phone.
 - **Password**: When enabled, you enter an alphanumeric password, which you create, to unlock the phone.

Owner information

Enter text to display on the Lock screen.

1. From the Home screen, touch  **Apps** →  **Settings** → **Security** → **Owner information**.
2. Touch **Show owner info on lock screen** to enable display of Owner information on the Lock screen.
3. Enter Owner information text. For more information about entering text, see see “*Entering Text*” on page 26.

Encryption

As a security measure, you can encrypt the contents of your phone or an installed memory card, and require a password each time you turn on the phone or access the memory card.

Encryption may take an hour or more to complete. Start with a charged battery, and attach the charger until encryption is complete. Loss of power or other interruption may cause the loss of some or all data.

Encrypt device

As a security measure, you can encrypt the contents of your device and require a password to access the contents each time you turn it on.

1. From the Home screen, touch  **Apps** →  **Settings** → **Security**.
2. Touch **Encrypt device** to start encryption. Follow the prompts to complete encryption.

Encrypt SD card

As a security measure, you can encrypt the contents of an installed SD card, and require a password each time you access the card.

1. From the Home screen, touch  **Apps** →  **Settings** → **Security**.
2. Touch **Encrypt SD card** to start encryption. Follow the prompts to complete encryption.

Passwords

When enabled, password characters display briefly as you enter them.

1. From the Home screen, touch  **Apps** →  **Settings** → **Security**.
2. Touch **Make passwords visible** to enable or disable brief displays of password characters.

Device administrators

View or disable device administrators. Some applications, such as Corporate email, may require you allow access to your device by device administrators in certain circumstances, such as if your phone is lost or stolen.

Some features a device administrator might control include:

- Setting the number of failed password attempts before the phone is restored to factory settings
- Automatically locking the phone.
- Restoring factory settings on the phone.

Device administrators

View, add or remove device administrators.

1. From the Home screen, touch  **Apps** →  **Settings** → **Security**.
2. Touch **Device administrators**.

Unknown sources

When enabled, you can install applications from sources other than Google Play®.

1. From the Home screen, touch  **Apps** →  **Settings** → **Security**.
2. Touch **Unknown sources** to enable or disable the option.

Warning! Because this device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

Credential storage

Trusted credentials

You can install credentials from an installed memory card, and use the Credential storage settings to allow applications to access the secure certificates and other credentials.

Trusted credentials

1. From the Home screen, touch  **Apps** →  **Settings** → **Security**.
2. Touch **Trusted credentials** to view certificates you've installed.

Install from device storage

Install encrypted certificates from an installed memory card.

Note: You must have installed a memory card containing encrypted certificates to use this feature.

1. From the Home screen, touch  **Apps** →  **Settings** → **Security**.
2. Touch **Install from device storage**, then choose a certificate and follow the prompts to install.

Clear credentials

Clear stored credentials and reset the password.

Note: This setting is only available if you have installed certificates.

1. From the Home screen, touch  **Apps** →  **Settings** → **Security** → **Clear credentials**.
2. Follow the prompts to clear stored credentials and reset the password.

Language and input

Language

Set the language used by your phone's screens.

1. From the Home screen, touch  **Apps** →  **Settings** → **Language and input** → **Language**.
2. Select a language from the list.

Keyboards and input methods

Configure text entry options to your preferences.

Default

Choose the default method for entering text. If you install other text entry apps, you can set them as default here.

1. From the Home screen, touch  **Apps** →  **Settings** → **Language and input** → **Default**.
2. Touch an input method.

Google voice typing settings

Configure Google voice input settings. When you enable Google voice in Settings, it is available for text entry when you touch a text field to enter text.

For more information, see “Using Google Voice Typing” on page 27.

1. From the Home screen, touch  **Apps** →  **Settings** → **Language and input**.
2. Touch **Google voice typing** to enable it.
3. Touch  beside **Google voice typing** to configure options:
 - **Select input languages:** Select languages for Google voice typing. Select **Automatic** to use the Default language exclusively, or choose other language(s).
 - **Block offensive words:** When enabled, words many people find offensive are not shown in results of Google voice searches. Offensive words are replaced in results with a placeholder (####).

Samsung keypad

Configure Samsung keypad settings.

For more information, see “Using Samsung Keypad” on page 26.

1. From the Home screen, touch  **Apps** →  **Settings** → **Language and input**.
2. **Samsung keypad** is enabled by default. Touch  to configure options:
 - **Portrait keyboard types:** Choose the default keypad when the screen is in portrait mode, from Qwerty or 3x4 keyboard (similar to a phone keypad).
 - **Input language:** Select languages for the Samsung keyboard.

Tip: When you have more than one language selected, you can slide your finger on the space bar while entering text to switch languages.

- **XT9:** Touch to enable predictive text, to have predictive text suggest words matching your text entries and optionally, complete common words automatically.
- **XT9 advanced settings:**
 - **Word completion:** When enabled, predictive text automatically completes words matching your key touches.

- **Word completion point:** Choose the number of letters predictive text uses to predict words for automatic completion.
- **Spell correction:** Enable for automatic spelling check and correction.
- **Next word prediction:** When enabled, the system predicts the next word based on common usage patterns.
- **Auto-append:** When enabled, the most common predicted word is automatically added to your text.
- **Auto-substitution:** When enabled, predictive text automatically replaces words you enter with words from the auto substitution list.
- **Regional correction:** When enabled, predictive text automatically changes the spelling of words based on norms for your default language.
- **Recapture:** When enabled, predictive text re-displays matching words when you make corrections to a word inserted automatically.
- **XT9 my words:** Add words to your predictive text predictive text dictionary.
- **XT9 auto substitution:** Manage the list of words predictive text uses for auto-substitution (Auto-substitution setting must be enabled).
- **Keypad sweeping:** When enabled, you can sweep your finger over keypad letters to enter words. When you lift your finger, a word matching your sweep is entered automatically. Available when XT9 is turned On.
- **Character preview:** When enabled, characters available on the key you touch display briefly as you enter text.
- **Auto-capitalization:** When enabled, predictive text automatically capitalizes words in your text based on common usage, such as at the beginning of sentences.
- **Handwriting settings:** When enabled, Samsung keyboard recognizes on-screen tracing of words.
- **Voice input:** When enabled, the voice input key appears on the keyboard.
- **Auto-full stop:** When enabled, a period and space (full stop) are automatically entered to end a sentence, when you tap the space bar twice.
- **Tutorial:** View help for using predictive text.

Swype

1. From the Home screen, touch  **Apps** →  **Settings** → **Language and input**.
2. **Samsung keypad** is enabled by default. Touch  to configure options:
 - **Select input method:** Choose the default text entry method.
 - **How to Swype:** Learn about using Swype.
 - **Personal dictionary:** View and manage words in your Swype dictionary, used for word completion, suggestion, and spellchecking.
 - **Preferences:** Set Swype options:
 - **Audio feedback:** When enabled, the device plays sounds for your Swype touches.
 - **Vibrate on keypress:** When enabled, the device vibrates for your Swype touches.
 - **Show tips:** When enabled, Swype displays helpful information as you Swype.
 - **Auto-spacing:** When enabled, Swype automatically inserts spaces between words as you complete them.
 - **Auto-capitalization:** When enabled, Swype automatically capitalizes the first word of sentences.
 - **Show complete trace:** When enabled, Swype displays the trace of each word until you start the next word.

- **Word suggestion:** When enabled, Swype predicts the next word based on the previous word.
- **Speed vs. accuracy:** Choose how quickly Swype responds to input.
- **Reset Swype's dictionary:** Delete all the words you've added to the Swype dictionary.
- **Version:** View information about Swype.
- **Language options:** Choose the current language for Swype, and download new languages.

Voice recognition

Choose a voice recognition engine for your device's recognition features.

1. From the Home screen, touch  **Apps** →  **Settings** → **Language and input**.
2. Touch **Voice recognition**, then select the desired voice recognition function to enable it:
 - **Google** voice recognition
 - **Samsung powered by Vlingo** voice recognition

Voice Search

1. From the Home screen, touch  **Menu**, then select **Settings → Language and input → Voice Search**.
2. Set options:
 - **Language:** Choose a language for voice searching.
 - **SafeSearch:** Set the sensitivity for filtering of explicit images from the results of your Google voice searches.
 - **Block offensive words:** When enabled, words many people find offensive are not shown in results of Google voice searches. Offensive words are replaced in results with a placeholder (####).

Text-to-speech output

Text-to-speech (TTS) provides audible readout of text, for example, the contents of text messages, and the Caller ID for incoming calls.

1. From the Home screen, touch  **Apps →**  **Settings → Language and input → Text-to-speech output**.
2. Touch a setting to configure:
 - **Preferred TTS engine:** choose **Google Text-to-speech** or **Samsung TTS**. Touch  to configure options.
 - **General:**
 - **Speech rate:** Choose a rate at which text readouts are spoken.
 - **Listen to an example:** Play a sample of speech synthesis.
 - **Driving mode:** When enabled, incoming calls and new notifications are read out automatically.
 - **Driving mode settings:** Choose items for readout in Driving mode (available when Driving mode is enabled).

Pointer speed

Customize the response of your screen swipes.

1. From the Home screen, touch  **Apps** →  **Settings** → **Language and input** → **Pointer speed**..
2. Touch and drag along the scale to set the pointer speed.

Back up and reset

Set options for backing up your information and resetting your device.

Back up my data

When enabled, app data, Wi-Fi passwords, and other phone settings are backed up to Google servers.

1. From the Home screen, touch  **Apps** →  **Settings** → **Back up and reset**.
2. Touch **Back up my data** to enable or disable back-up.

Backup account

Sign in to a Google account to use for backing up settings.

1. From the Home screen, touch  **Apps** →  **Settings** → **Back up and reset**.
2. Touch **Backup account**, then follow the prompts to sign in to a Google account.

Automatic restore

Use Automatic restore to have previous app settings and data automatically update from the backup when you reinstall the app.

1. From the Home screen, touch  **Apps** →  **Settings** → **Back up and reset**.
2. Touch **Automatic restore** to enable or disable the setting.

Factory data reset

Use Factory data reset to return all settings to the defaults, and remove all data from the phone.

1. From the Home screen, touch  **Apps** →  **Settings** → **Back up and reset**.
2. Touch **Factory data reset**, then follow the prompts.

Important! Settings and data erased in a Factory data reset cannot be recovered. To save your settings, you can use Back up my data settings before a reset.

Dock

Configure your phone's behavior when it is connected to an optional dock accessory (not included).

1. From the Home screen, touch  **Apps** →  **Settings**
2. Touch **Dock**, then touch **Audio output mode**:
When enabled, audio plays through the dock speakers when the phone is docked.

Date and time

By default, your phone receives date and time information from the wireless network. When you are outside network coverage, you may want to set date and time information manually using the Date & time settings.

1. From the Home screen, touch  **Apps** →  **Settings** → **Date and time**.
2. Touch a setting to configure:
 - **Automatic date and time**: When enabled, the phone takes date and time updates from the wireless network.
 - **Automatic time zone**: When enabled, the phone takes the time zone from the wireless network.
 - **Set date**: Enter the current date (only available when Automatic date and time is disabled).
 - **Set time**: Enter the current time (only available when the Automatic setting is disabled).
 - **Select time zone**: Choose your local time zone (only available when the Automatic setting is disabled).
 - **Use 24-hour format**: Set the format for time displays.
 - **Select date format**: Set the format for date displays.

Accessibility

Your phone offers features to make using the phone easier for those with certain physical disabilities. Use the Accessibility settings to activate these services.

Services

Enable or disable accessibility services, such as readout of menu options, application titles, contacts, and other items when scrolling and making selections.

1. From the Home screen, touch  **Apps** →  **Settings** → **Accessibility**.
2. Touch **TalkBack** to turn the feature On or Off.

System

The power key ends calls

When enabled, you can end voice calls by pressing the **Power/Lock Key**.

When this option is enabled, pressing the **Power/Lock Key** during a call does not lock the screen.

1. From the Home screen, touch  **Apps** →  **Settings** → **Accessibility**.
2. Touch **The power key ends calls** to enable or disable the setting.

Auto-rotate screen

When enabled, the screen's orientation automatically changes when you rotate the device.

1. From the Home screen, touch  **Apps** →  **Settings** → **Accessibility**.
2. Touch **Auto-rotate screen** to turn the feature On or Off.

Speak passwords

When enabled, you can speak passwords for log-ins.

1. From the Home screen, touch  **Apps** →  **Settings** → **Accessibility**.
2. Touch **Speak passwords** to turn the feature On or Off.

Tap and hold delay

Set the length of time the phone considers a screen touch before interpreting a touch as touch-and-hold.

1. From the Home screen, touch  **Apps** →  **Settings** → **Accessibility** → **Tap and hold delay**.
2. Touch a setting to select it.

Install Web scripts

When enabled, this service allows apps to install scripts from Google that make their Web content more accessible.

1. From the Home screen, touch  **Apps** →  **Settings** → **Accessibility**.
2. Touch **Install Web scripts**, then follow the prompts to enable or disable the service.

Motion

This feature allows you to assign specific functions to certain phone actions that are detected by both the accelerometer and gyroscope.

1. From the Home screen, touch  **Apps** →  **Settings** → **Motion**.
2. Touch **Motion activation** to enable/disable your phone's ability to recognize active gestures. (When this option is enabled, a check mark appears in the check box.)
 - **Tilt to zoom:** Once enabled, you must be on a screen where content can be zoomed. In a single motion, touch and hold two points on the display then tilt the device back and forth to zoom in or out.
 - **Pan to edit:** Once enabled, touch and hold a desired application shortcut icon or widget on the screen. Once it detaches, move the device left or right to migrate it to a new location.
 - **Double tap:** Once enabled, a double tap on the top of the phone takes you to the top of the list.
 - **Turn over to mute:** Once enabled, mute incoming calls and any playing sounds by turning the device over display down on a surface. This is the opposite of the pickup to be notified gesture.

Developer options

Set options for use when developing apps for devices.

USB debugging

When enabled, connecting your device to a computer with a USB data cable launches debugging mode.

1. From the Home screen, touch  **Apps** →  **Settings** → **Developer options**.
2. Touch **USB debugging** to enable or disable the setting.

Development device ID

View your device's unique identifier (not configurable).

1. From the Home screen, touch  **Apps** →  **Settings** → **Developer options**.
2. Under **Development device ID**, find your device's ID.

Allow mock locations

1. From the Home screen, touch  **Apps** →  **Settings** → **Developer options**.
2. Touch **Allow mock locations** to enable or disable the setting.

Desktop backup password

Set a password for protecting full desktop backups.

1. From the Home screen, touch  **Apps** →  **Settings** → **Developer options**.
2. Touch **Desktop backup password**, then enter the current and new passwords. Touch **Set backup password** to save your settings.

User interface

Set options for user interface behavior.

1. From the Home screen, touch  **Apps** →  **Settings** → **Developer options**.
2. Touch options to enable or disable:
 - **Strict mode enabled:** When enabled, the screen flashes while apps perform long operations.
 - **Show pointer location:** When enabled, the current pointer location shows on a screen overlay.
 - **Show touches:** When enabled, screen touches cause the screen to display visual feedback.
 - **Show screen updates:** When enabled, areas of the screen flash as they update.
 - **Show CPU usage:** When enabled CPU usage displays on a screen overlay.
 - **Force GPU rendering:** When enabled, 2D hardware acceleration is used in applications.
 - **Window animation scale:** Choose a scale for window animations.
 - **Transition animation scale:** Choose a scale for screen transitions.

Applications

Set options for application behavior.

1. From the Home screen, touch  **Apps** →  **Settings** → **Developer options**.
2. Touch options to enable or disable:
 - **Do not keep activities:** When enabled, activities are destroyed as soon as the user leaves them.
 - **Limit background processes:** Choose options for processes running in the background.
 - **Show all ANRs:** When enabled, an App Not Responding dialog displays for apps running in the background.

System Updates

Check availability and install updates to your device's software.

1. From the Home screen, touch  **Apps** →  **Settings** → **System updates**.
2. Choose an option, then follow the prompts:
 - **Update PRL**
 - **Update Profile**
 - **Update Samsung Software**
 - **Update Firmware**

About phone

View information about your phone, including status, legal information, and hardware and software versions.

1. From the Home screen, touch  **Apps** →  **Settings** → **About phone**.
2. Touch items to view details:
 - **Status:** View information about your phone's current status.
 - **Legal information:** Display open source licenses, configure license settings, including Google info.
 - **Model number:** View your phone's model number.
 - **Android version:** View the firmware version.
 - **Baseband version:** View the baseband version of your phone.
 - **Kernel version:** View the kernel version.
 - **Build number:** View the build number.
 - **Hardware version:** View the hardware version of your phone.

Section 10: Health and Safety Information

This section outlines the safety precautions associated with using your phone. The terms “mobile device” or “cell phone” are used in this section to refer to your phone. **Read this information before using your mobile device.**

Exposure to Radio Frequency (RF) Signals

The U.S. Food and Drug Administration (FDA) has published information for consumers relating to Radio Frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

Do cell phones pose a health hazard?

Many people are concerned that cell phone radiation will cause cancer or other serious health hazards. The weight of scientific evidence has not linked cell phones with any health problems.

Cell phones emit low levels of Radio Frequency (RF) energy. Over the past 15 years, scientists have conducted hundreds of studies looking at the biological effects of the radio frequency energy emitted by cell phones. While some researchers have reported biological changes associated with RF energy, these studies have failed to be replicated. The majority of studies

published have failed to show an association between exposure to radio frequency from a cell phone and health problems.

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

The biological effects of radio frequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays, can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material.

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible

light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

While RF energy does not ionize particles, large amounts can increase body temperatures and cause tissue damage. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

Research Results to Date: Is there a connection between RF and certain health problems?

The results of most studies conducted to date say no. In addition, attempts to replicate and confirm the few studies that have shown a connection have failed.

The scientific community at large therefore believes that the weight of scientific evidence does not show an association between exposure to Radio Frequency (RF) from cell phones and adverse health outcomes. Still the scientific community has supported additional research to address gaps in knowledge. Some of these studies are described below.

Interphone Study

Interphone is a large international study designed to determine whether cell phones increase the risk of head and neck cancer. A report published in the International Journal of Epidemiology (June, 2010) compared cell phone

usage for more than 5,000 people with brain tumors (glioma and meningioma) and a similar number of healthy controls.

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at http://www.iarc.fr/en/media-centre/pr/2010/pdfs/pr200_E.pdf.

Interphone is the largest cell phone study to date, but it did not answer all questions about cell phone safety. Additional research is being conducted around the world, and the FDA continues to monitor developments in this field.

International Cohort Study on Mobile Phone Users (COSMOS)

The COSMOS study aims to conduct long-term health monitoring of a large group of people to determine if there are any health issues linked to long-term exposure to radio frequency energy from cell phone use. The COSMOS study will follow approximately 300,000 adult cell phone users in Europe for 20 to 30 years. Additional

information about the COSMOS study can be found at

<http://www.ukcosmos.org/index.html>.

Risk of Brain Cancer from Exposure to Radio Frequency Fields in Childhood and Adolescence (MOBI-KIDS)

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at

http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39.

Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should go up, because heavy cell phone use has been common for quite some time in the U.S. Between 1987 and 2005, the overall age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at

<http://seer.cancer.gov/>.

Cell Phone Industry Actions

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the cell phone industry to take a number of steps, including the following:

- Support-needed research on possible biological effects of RF for the type of signal emitted by cell phones;
- Design cell phones in a way that minimizes any RF exposure to the user; and
- Cooperate in providing users of cell phones with the current information on cell phone use and human health concerns.

The FDA also is working with voluntary standard-setting bodies such as the Institute of Electrical and Electronics Engineers (IEEE), the International Commission on Non-Ionizing Radiation Protection (ICNIRP), and others to assure that safety standards continue to adequately protect the public.

Reducing Exposure: Hands-Free Kits and Other Accessories

Steps to Reduce Exposure to Radio Frequency Energy

If there is a risk from being exposed to radio frequency energy (RF) from cell phones - and at this point we do not know that there is - it is probably very small. But, if you are concerned

about avoiding even potential risks, you can take a few simple steps to minimize your RF exposure.

- Reduce the amount of time spent using your cell phone;
- Use speaker mode or a headset to place more distance between your head and the cell phone.

Hands-Free Kits

Hands-free kits may include audio or Bluetooth® headsets and various types of body-worn accessories such as belt-clips and holsters. Combinations of these can be used to reduce RF energy absorption from cell phones.

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used for convenience and comfort. They are also required by law in many states if you want to use your phone while driving.

Cell Phone Accessories that Claim to Shield the Head from RF Radiation

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone.

Studies have shown that these products generally do not work as advertised. Unlike “hands-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

Children and Cell Phones

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

- Reduce the amount of time spent on the cell phone;
- Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United

Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

- FCC RF Safety Program:
<http://www.fcc.gov/oet/rfsafety/>.
- Environmental Protection Agency (EPA):
<http://www.epa.gov/radtown/wireless-tech.html>.
- Occupational Safety and Health Administration (OSHA):
<http://www.osha.gov/SLTC/radiofrequencyradiation/>.
- National Institute for Occupational Safety and Health (NIOSH):
<http://www.cdc.gov/niosh/>.
- World Health Organization (WHO):
<http://www.who.int/peh-emf/en/>.
- International Commission on Non-Ionizing Radiation Protection:
<http://www.icnirp.de>.

(Note: This web address is case sensitive.)

- Health Protection Agency:
<http://www.hpa.org.uk/Topics/Radiation/>.
- US Food and Drug Administration:
<http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm>.

Specific Absorption Rate (SAR) Certification Information

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government.

These FCC RF exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The RF exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units

of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC SAR limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum reported value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the phone.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the SAR limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC. For body-worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an

accessory that contains no metal and that positions the mobile device a minimum of 1.0 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines. The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. The maximum SAR values for this model phone as reported to the FCC are:

Cellular/PCS CDMA with WIMAX:

- Head: 0.40 W/Kg.
- Body-worn accessory: 0.61 W/Kg.
- Product Specific Use: 0.61 W/Kg.
- Simultaneous Transmissions: 1.21 W/Kg.

WLAN:

- Head: 0.10 W/Kg.
- Body-worn accessory: 0.09 W/Kg.
- Product Specific Use: 0.08 W/Kg.
- Simultaneous Transmissions: 1.21 W/Kg.

SAR information on this and other model phones can be accessed online on the FCC's website through <http://transition.fcc.gov/oet/rfsafety/sar.html>. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a

particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional SAR information can also be obtained at

<http://www.fcc.gov/encyclopedia/specific-absorption-rate-sar-cellular-telephones>.

FCC Part 15 Information to User

Pursuant to part 15.21 of the FCC Rules, you are cautioned that changes or modifications not expressly approved by Samsung could void your authority to operate the device.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Commercial Mobile Alerting System (CMAS)

This device is designed to receive wireless emergency alerts from the Commercial Mobile Alerting System ("CMAS"; which may also be known as the Personal Localized Alerting Network ("PLAN")). If your wireless provider has chosen to participate in CMAS/PLAN, alerts are available while in the provider's coverage area. If you travel outside your provider's coverage area, wireless emergency alerts may not be available. For more information, please contact your wireless provider.

Smart Practices While Driving

On the Road - Off the Phone

The primary responsibility of every driver is the safe operation of his or her vehicle.

Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or talking on a mobile phone - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility. **Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes impaired.** Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. For example, only hands-free use may be permitted in certain areas.

Before answering calls, consider your circumstances. Let the call go to voicemail when driving conditions require. Remember, driving comes first, not the call!

If you consider a call necessary and appropriate, follow these tips:

- Use a hands-free device;
- Secure your phone within easy reach;
- Place calls when you are not moving;
- Plan calls when your car will be stationary;
- Do not engage in stressful or emotional conversations;
- Let the person with whom you are speaking know that you are driving and will suspend the call if necessary;
- Do not take notes or look up phone numbers while driving;

Notice regarding legal restrictions on mounting this device in an automobile:

Laws in some states may prohibit mounting this device on or near the windshield of an automobile. In other states, the law may permit mounting this device only in specific locations in the automobile. Be sure to consult the state and local laws or ordinances where you drive before mounting this device in an automobile. Failure to comply with these restrictions could result in fines, penalties, or other damages.

Never mount this device in a manner that will obstruct the driver's clear view of the street and traffic.

Never use wireless data services such as text messaging, Web browsing, or e-mail while operating a vehicle.

Never watch videos, such as a movie or clip, or play video games while operating a vehicle.

For more information, go to <http://www.ctia.org>.

Battery Use and Safety

Important! Handle and store batteries properly to avoid injury or damage. Most battery issues arise from improper handling of batteries and, particularly, from the continued use of damaged batteries.

- **Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery.** Do not put a high degree of pressure on the battery. This can cause leakage or an internal short-circuit, resulting in overheating.
- **Do not let the phone or battery come in contact with liquids.** Liquids can get into the phone's circuits, leading to corrosion. Even when the phone appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the phone and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.

- **Do not place your battery in or near a heat source.** Excessive heating can damage the phone or the battery and could cause the phone or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your phone in your car in high temperatures.
- **Do not dispose of the phone or the battery in a fire.** The phone or the battery may explode when overheated.
- **Do not handle a damaged or leaking battery.** Do not let leaking battery fluid come in contact with your eyes, skin or clothing. For safe disposal options, contact your nearest Samsung-authorized service center.
- **Avoid dropping the cell phone.** Dropping the phone or the battery, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- **Never use any charger or battery that is damaged in any way.**

- **Do not allow the battery to touch metal objects.**

Accidental short-circuiting can occur when a metallic object (coin, key, jewelry, clip, or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

Important! Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your phone.

WARNING!

Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard. Samsung's warranty does not cover damage to the phone caused by non-Samsung-approved batteries and/or chargers.

- **Do not use incompatible cell phone batteries and chargers.** Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- **Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard.**

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

Recycling programs for your mobile device, batteries, and accessories may not be available in your area.

We've made it easy for you to recycle your old Samsung mobile device by working with respected take-back companies in every state in the country.

Drop It Off

You can drop off your Samsung-branded mobile device and batteries for recycling at one of our numerous Samsung Recycling Direct (SM) locations. A list of these locations may be found at:

http://pages.samsung.com/us/recyclingdirect/usactivities_environment_samsungrecyclingdirect_locations.jsp.

Samsung-branded devices and batteries will be accepted at these locations for no fee.

Consumers may also recycle their used mobile device or batteries at many retail or carrier-provided locations where mobile devices and batteries are sold. Additional information regarding specific locations may be found at:

<http://www.epa.gov/epawaste/partnerships/plugin/cellphone/index.htm> or at <http://www.call2recycle.org/>.

Mail It In

The Samsung Mobile Take-Back Program will provide Samsung customers with a free

recycling mailing label. Just go to http://www.samsung.com/us/aboutsamsung/citizenship/usactivities_environment_samsungrecyclingdirect.html?INT=STA_recycle_your_phone_page and follow the instructions to print out a free pre-paid postage label and then send your old mobile device or battery to the address listed, via U.S. Mail, for recycling.

Dispose of unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:

www.samsung.com/recyclingdirect
Or call, (877) 278-0799.

Follow local regulations regarding disposal of mobile devices and batteries

Dispose of your mobile device and batteries in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited. Help us protect the environment - recycle!

Warning! Never dispose of batteries in a fire because they may explode.

UL Certified Travel Charger

The Travel Charger for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines:

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Display / Touch-Screen

Please note the following information when using your mobile device:

WARNING REGARDING DISPLAY

The display on your mobile device is made of glass or acrylic and could break if your mobile device is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

WARRANTY DISCLAIMER: PROPER USE OF A TOUCH-SCREEN MOBILE DEVICE

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, please refer to the "Standard Limited Warranty".

GPS & AGPS

Certain Samsung mobile devices can use a Global Positioning System (GPS) signal for location-based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation

Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Certain Samsung mobile devices can also use an Assisted Global Positioning System (AGPS), which obtains information from the cellular network to improve GPS performance. AGPS uses your wireless service provider's network and therefore airtime, data charges, and/or additional charges may apply in accordance with your service plan. Contact your wireless service provider for details.

Your Location

Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile devices which are connected to a wireless network transmit location-based information. Additionally, if you use applications that require location-based information (e.g. driving directions), such applications transmit location-based information. The location-based information may be shared with third-parties, including your wireless service provider, applications providers, Samsung, and other third-parties providing services.

Use of AGPS in Emergency Calls

When you make an emergency call, the cellular network may activate AGPS technology in your mobile device to tell the emergency responders your approximate location.

AGPS has limitations and **might not work in your area**. Therefore:

- Always tell the emergency responder your location to the best of your ability; and
- Remain on the mobile device for as long as the emergency responder instructs you.

Navigation

Maps, directions, and other navigation-data, including data relating to your current location, may contain inaccurate or incomplete data, and circumstances can and do change over time. In some areas, complete information may not be available. **Therefore, you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs.**

Emergency Calls

This mobile device, like any wireless mobile device, operates using radio signals, wireless and landline networks, as well as

user-programmed functions, which cannot guarantee connection in all conditions, areas, or circumstances.

Therefore, you should never rely solely on any wireless mobile device for essential communications (medical emergencies, for example). Before traveling in remote or underdeveloped areas, plan an alternate method of contacting emergency services personnel. Remember, to make or receive any calls, the mobile device must be switched on and in a service area with adequate signal strength.

Emergency calls may not be possible on all wireless mobile device networks or when certain network services and/or mobile device features are in use. Check with local service providers.

To make an emergency call:

1. If the mobile device is not on, switch it on.
2. From the Home screen, touch  **Phone**.
3. Touch the digits of the emergency number on the Keypad, then touch .

If certain features are in use (call blocking, for example), you may first need to deactivate those features before you can make an emergency call. Consult your User Manual and your local cellular service provider. When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your mobile device may be the

only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

Keep your Samsung Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits. If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion.

Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

Microwaves

Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

Dust and dirt

Do not expose your mobile device to dust, dirt, or sand.

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

Shock or vibration

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

Paint

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

Responsible Listening

Caution! Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music

players and cell phones, at high volume settings for long durations may lead to permanent noise-induced hearing loss.

This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

You should follow some common sense recommendations when using any portable audio device:

- Always turn the volume down before plugging the earphones into an audio source.
- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.

- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
- Limit the amount of time you listen. As the volume increases, less time is required before your hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech, or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300
Reston, VA 20190

Voice: (800) 222-2336

Email: info@audiology.org

Internet:

<http://www.audiology.org/Pages/default.aspx>

National Institute on Deafness and Other Communication Disorders

National Institutes of Health
31 Center Drive, MSC 2320
Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet:

<http://www.nidcd.nih.gov/>

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W., Suite 9200
Patriots Plaza Building
Washington, DC 20201

Voice: 1-800-35-NIOSH

(1-800-356-4674)

1-800-CDC-INFO (1-800-232-4636)

Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet:

<http://www.cdc.gov/niosh/topics/noise/default.html>

1-888-232-6348 TTY

Operating Environment

Remember to follow any special regulations in force in any area, and always switch your mobile device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the mobile device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

Using Your Mobile Device Near Other Electronic Devices

Most modern electronic equipment is shielded from Radio Frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless mobile device. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless mobile device and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;
- Should not carry the mobile device in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;
- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.

For more information see: <http://www.fcc.gov/oet/rfsafety/rf-faqs.html#>.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your mobile device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle before using your mobile device in a motor vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your mobile device off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station).

Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or

metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

When your Device is Wet

Do not turn on your device if it is wet. If your device is already on, turn it off and remove the battery immediately (if the device will not turn off or you cannot remove the battery, leave it as-is). Then, dry the device with a towel and take it to a service center.

FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices

The U.S. Federal Communications Commission (FCC) has established requirements for digital wireless mobile devices to be compatible with hearing aids and other assistive hearing devices.

When individuals employing some assistive hearing devices (hearing aids and cochlear implants) use wireless mobile devices, they may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and mobile devices also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless mobile devices to assist hearing device users find mobile devices that may be compatible with their hearing

devices. Not all mobile devices have been rated. Mobile devices that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated mobile device successfully. Trying out the mobile device with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Wireless mobile devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. M4 is the better/higher of the two ratings. M-ratings refer to enabling acoustic coupling with hearing aids that do not operate in telecoil mode.

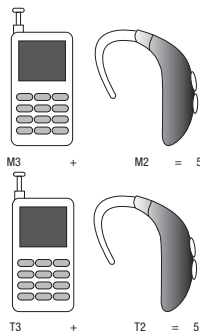
T-Ratings: Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. T4 is the better/higher of the two ratings. T-ratings refer to enabling inductive coupling with hearing aids operating in telecoil mode.

Hearing devices may also be rated. Your hearing aid manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise.

Under the current industry standard, American National Standards Institute (ANSI) C63.19, the hearing aid and wireless mobile device rating values are added together to indicate how usable they are together. For example, if a hearing aid meets the M2 level rating and the wireless mobile device meets the M3 level rating, the sum of the two values equals M5.

Under the standard, this should provide the hearing aid user with normal use while using the hearing aid with the particular wireless mobile device. A sum of 6 or more would indicate excellent performance.

However, these are not guarantees that all users will be satisfied. T ratings work similarly.



The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

HAC for Newer Technologies

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids.

It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

Restricting Children's Access to Your Mobile Device

Your mobile device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the mobile device, or make calls that increase your mobile device bill.

Keep the mobile device and all its parts and accessories out of the reach of small children.

FCC Notice and Cautions

FCC Notice

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated. Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

Cautions

Any changes or modifications to your mobile device not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the mobile device warranty if said accessories cause damage or a defect to the mobile device.

Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the mobile device or install the mobile device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.
- When using a headset in dry environments, static electricity can build up in the headset and cause a small quick static electrical shock. To minimize the risk of electrostatic discharge from the headset avoid using the headset in extremely dry environments or touch a grounded unpainted metal object to discharge static electricity before inserting the headset.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.
- Failure to observe these instructions may lead to the suspension or denial of cell phone services to the offender, or legal action, or both.
- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.
- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing games for extended periods. If you feel any discomfort, stop using the device immediately.

- Reduce risk of repetitive motion injuries. When you repetitively perform actions, such as pressing keys, drawing characters on a touch screen with your fingers, or playing games, you may experience occasional discomfort in your hands, neck, shoulders, or other parts of your body. When using your device for extended periods, hold the device with a relaxed grip, press the keys lightly, and take frequent breaks. If you continue to have discomfort during or after such use, stop use and see a physician.
 - If your device has a camera flash or light, do not use the flash or light close to the eyes of people or pets.
- [122011]

Section 11: Warranty Information

Standard Limited Warranty

What is covered and for how long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC (“SAMSUNG”) warrants that SAMSUNG’s handsets and accessories (“Products”) are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase by the first consumer purchaser and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Case/Pouch/Holster	90 Days
Other Phone Accessories	1 Year

What is not covered?

This Limited Warranty is conditioned upon proper use of the Product.

This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to liquid, moisture, dampness, sand or dirt, neglect, or unusual physical, electrical or electromechanical stress; (b) scratches, dents and cosmetic damage, unless caused by SAMSUNG; (c) defects or

damage resulting from excessive force or use of a metallic object when pressing on a touch screen; (d) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (e) ordinary wear and tear; (f) defects or damage resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (g) defects or damage resulting from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (h) defects or damage resulting from external causes such as collision with an object, fire, flooding, dirt, windstorm, lightning, earthquake, exposure to weather conditions, theft, blown fuse, or improper use of any electrical source; (i) defects or damage resulting from cellular signal reception or transmission, or viruses or other software problems introduced into the Product; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery; (ii) any of the seals on

the battery are broken or show evidence of tampering; or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's obligations?

During the applicable warranty period, provided the Product is returned in accordance with the terms of this Limited Warranty, SAMSUNG will repair or replace the Product, at SAMSUNG's sole option, without charge. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace the Product with a rebuilt, reconditioned or new Product.

Repaired/replaced cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Products will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for ninety (90) days, whichever is longer. All replaced Products, parts, components, boards and equipment shall become the property of SAMSUNG. Except to any extent expressly allowed by applicable law, transfer or assignment of this Limited Warranty is prohibited.

What must you do to obtain warranty service?

To obtain service under this Limited Warranty, you must return the Product to an authorized phone service facility in an adequate container for shipping, accompanied by the sales receipt or comparable proof of sale showing the original date of purchase, the serial number of the Product and the seller's name and address.

To obtain assistance on where to deliver the Product, please call SAMSUNG Customer Care at 1-888-987-4357. If SAMSUNG determines that any Product is not covered by this Limited Warranty, you must pay all parts, shipping, and labor charges for the repair or return of such Product.

You should keep a separate backup copy of any contents of the Product before delivering the Product to SAMSUNG for warranty service, as some or all of the contents may be deleted or reformatted during the course of warranty service.

What are the limits on SAMSUNG's liability?

THIS LIMITED WARRANTY SETS OUT THE FULL EXTENT OF SAMSUNG'S RESPONSIBILITIES, AND THE EXCLUSIVE REMEDY REGARDING THE PRODUCTS.

ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE

DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL SAMSUNG BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR FOR, WITHOUT LIMITATION, COMMERCIAL LOSS OF ANY SORT; LOSS OF USE, TIME, DATA, REPUTATION, OPPORTUNITY, GOODWILL, PROFITS OR SAVINGS; INCONVENIENCE; INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES; OR DAMAGES ARISING FROM THE USE OR INABILITY TO USE THE PRODUCT. SOME STATES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE DISCLAIMER OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND DISCLAIMERS MAY NOT APPLY TO YOU.

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Nothing in the Product instructions or information shall be construed to create an express warranty of any kind with respect to the Products. No agent, employee, dealer, representative or reseller is authorized to modify or extend this Limited Warranty or to make binding representations or claims, whether in advertising, presentations or otherwise, on behalf of SAMSUNG regarding the Products or this Limited Warranty.

This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

What is the procedure for resolving disputes?

ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCTS SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY.

Any such dispute shall not be combined or consolidated with a dispute involving any other person's or entity's Product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action. The arbitration shall be

conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.

For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are \$5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant SAMSUNG its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or \$50.00 of such fees, whichever is less, and SAMSUNG shall pay the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees

and expert witness fees, exceed \$5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction.

This arbitration provision also applies to claims against SAMSUNG's employees, representatives and affiliates if any such claim arises from the Product's sale, condition or performance.

You may opt out of this dispute resolution procedure by providing notice to SAMSUNG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen, which can be found under "Settings;" (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable). Alternatively, you may opt out by

calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.

Severability

If any portion of this Limited Warranty is held to be illegal or unenforceable, such partial illegality or unenforceability shall not affect the enforceability of the remainder of the Limited Warranty.

Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

Important! Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

Samsung Telecommunications America, LLC
1301 E. Lookout Drive
Richardson, Texas 75082

Phone: 1-800-SAMSUNG

Phone: 1-888-987-HELP (4357)

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(a) Non-United States residents. If a dispute, controversy or difference is not amicably settled, it shall be finally resolved by arbitration in Seoul, Korea in accordance with the Arbitration Rules of

the Korean Commercial Arbitration Board. The award of arbitration shall be final and binding upon the parties.

(b) United States residents. ALL DISPUTES WITH SAMSUNG ELECTRONICS CO. ARISING IN ANY WAY FROM THIS EULA OR YOUR USE OF THE SOFTWARE SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY. Any such dispute shall not be combined or consolidated with any other person's or entity's claim or dispute, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the EULA and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the EULA. For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are \$5,000.00 or less

("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant Samsung Electronics Co. its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or \$50.00 of such fees, whichever is less, and Samsung Electronics Co. shall pay the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed \$5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction. This arbitration provision also applies to claims against Samsung Electronics Co.'s employees, representatives and affiliates if any such claim arises from the licensing or use of the Software. You may opt out of this dispute resolution procedure by providing notice to Samsung Electronics Co. no later than 30 calendar days from the date of the first consumer purchaser's purchase of this device. To opt out, you must send notice by e-

mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the device was purchased; (c) the device model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the device box; (ii) on the device information screen, which can be found under "Settings;" (iii) on a label on the back of the device beneath the battery, if the battery is removable; and (iv) on the outside of the device if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the device and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect your use of the device or its preloaded Software, and you will continue to enjoy the benefits of this license.

16. ENTIRE AGREEMENT; SEVERABILITY. This EULA is the entire agreement between you and Samsung Electronics Co. relating to the Software and supersedes all prior or contemporaneous oral or written communications, proposals and representations with respect to the Software or any other subject matter covered by this EULA. If

any provision of this EULA is held to be void, invalid, unenforceable or illegal, the other provisions shall continue in full force and effect.

Index

A

Accounts

- adding a Google account 28
- Google 8
- setting up 28

Airplane mode 88

Applications 26

- downloading new 70

Apps

- uninstalling 52

B

Battery

- charging 7
- indicator 6

Battery Use & Safety 125

Bluetooth

- pairing with a device 79
- profiles 86
- settings 86
- turning on or off 78

C

Calculator 53

Calendar 53

Call log

- creating/updating contacts 42
- managing 42
- sending messages 41

Calls

- answering 39

call-waiting 40

ending 41

from Call log 39

from Contacts 38

from Favorites 39

in-call options 40

logs 41

sending to voicemail 40

settings 42

silencing a ringer 39

using the Keypad 38

Camera

picture options 54

recording video 56

taking pictures 54

Care and Maintenance 130

Children and Cell Phones 120

Clock 57

Commercial Mobile Alerting System (CMAS)

123

Contacts

creating 30

creating from Call log 30

exporting and importing 34

groups 35

joining 33

My Profile 33

namecards 34

saving a number 30

- setting a picture as contact icon 59
- speed dials 37
- starred contacts 35
- updating 31
- updating from Call log 31, 42

D

Display / Touch-Screen 128

Display settings

- brightness 96
- font style and size 97
- screen timeout 96

Do cell phones pose a health hazard? 117

E

Email

- account settings 48

Emergency Calls 129

Exposure to Radio Frequency (RF) Signals 117

F

FCC Hearing Aid Compatibility (HAC)

- Regulations for Wireless Devices 134

FCC Notice and Cautions 136

G

Gallery

- sharing pictures and video 59
- viewing pictures and video 59
- viewing videos 58

Gmail

- composing and sending 49
- configuring your account 48
- managing your account 49

- refreshing your account 49

Google

- Gmail 48
- Local 69
- location services setting 102
- managing an account 28
- Maps 63
- Navigation 69
- Play Store 70
- setting up an account 28
- Talk 50
- your account 8
- YouTube 74

GPS & AGPS 128

Groups

- adding contacts 36
- creating 35
- sending a message 37

H

Health and Safety Information 117

Home screen 21

- primary shortcuts 23
- wallpaper 25

I

Icons

- Status Bar 21

ID Packs

- installing and switching 64

Internet 61

L

Location settings

- Location and Google search 102
- Standalone GPS services 101

M

Maps 63

Memory settings

- internal phone storage 98

Menu

- context-sensitive 19

Messages

- email 47
- Gmail 48
- managing 45
- settings 46
- Talk 50
- types 44

Mobile ID

- installing an ID Pack 64
- switching ID Packs 65

Mobile networks

- settings 90

Music

- creating a playlist 66
- Music Player 65
- setting a song as a ringtone 67

My Account

- activating device 12
- check balance 13
- creating 12
- top-up 13

My Files 68

My Profile 33

N

Namecards

- sending 34

Navigation 19

- command keys 23
- touch gestures 19

Notification Panel 20

O

Operating Environment 133

Other Important Safety Information 137

P

Pairing with Bluetooth 79

Personal Localized Alerting Network (PLAN)

123

Phone settings

- Date & time 111
- language 105

Picture ID

- setting 59

Pictures

- setting as wallpaper 60
- sharing 59
- taking 54

Play Store 70

Playlists

- creating 66

Powering On and Off 8

R

Reducing Exposure

Hands-Free Kits and Other Accessories 119

Responsible Listening 131

Restricting Children's Access to Your Mobile device 136

Ringtones

setting a song as a ringtone 67

S

Samsung Mobile Products and Recycling 126

Security

locking and unlocking 10

Security settings

credential storage 104

Settings 84

Smart Practices While Driving 124

Specific Absorption Rate (SAR) Certification Information 121

Speed Dials

assigning 37

removing or reassigning 37

Standard Limited Warranty 139

Storage

settings 98

T

Task Manager 9

Text

entering 26

Text settings

default 105

Google voice typing 106

Samsung keyboard 106

TTY Mode 9

Turning Your Phone On and Off 8

U

UL Certified Travel Charger 128

V

Video

options 56

Videos

recording 56

sharing 59

Volume

key 16

VPN

adding 81

W

Wallpaper

setting 60

Warranty Information 139

Widgets 24

Wi-Fi

adding a connection manually 76

scanning and connecting 76

settings 84

turning on or off 75

Wi-Fi Direct

connecting to devices 77

turning on or off 77

WiFi Hotspot 72, 82

configuring 73

turning on or off 82

Wireless Networking

Bluetooth 78

VPN 81

Wi-Fi 75

Y

YouTube 74